ATTACHMENT E.

- USER'S MANUAL (3)

Adjusting an Earphone Volume

1	**MENU** Press [ ] and Press Enter		Screen Mode : Custom Brightness : 40 Contrast : 80 Color : 50 Tint : 50 Sharpness : 1500 Color Tone : Custom Size : Auto Wide Orbiter : Off Move / Enter / Menu/Exit
2	Press [ ] to choose "Ear Phone"		Mode : Music Volume : 0 Balance : 22 Equalizer : ≫ AVL : Off MTS : Mono Ear Phone : 0 Move / Enter / Menu/Exit
3.4	Ear Phone Volume is adjustable between 0~100		Ear Phone Volume 0
4	**MENU** Press [ ] to end.		

PLASMA   DISPLAY   PANEL

Special Function Control

Reset, OSD Tone, and Blue Screen

1   Press ![MENU] and ![button] to select Special Function control
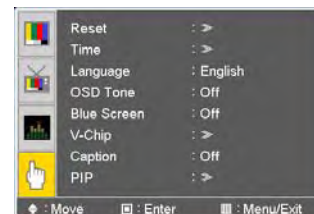
2   Press Enter ![button] and ![button] to select "Reset",

"OSD Tone", or "Blue Screen"

2.1   Reset: Press Enter ![button] , or ![button] and select "Enter" by pressing ![button]

☞ Note : When the PDP reset is completed, the TV will be turned off automatically.

2.2   OSD Tone:
Let OSD operates with or without background color. "ON" means transparent, and "OFF" means OSD background to be in solid gray.
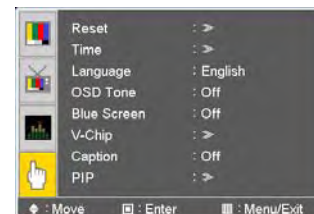
2.3   Blue Screen:
The PDP TV can be set to display blue screen when no TV signal or signal from other connected appliances are being received. If there is an incoming signal, the blue screen will be replaced by the normal picture screen.
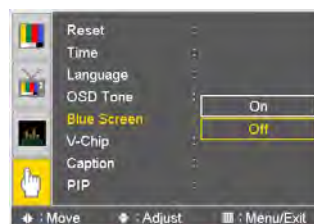
3   Press ![MENU button] to end.

Time Set Up

1	Press ▥ and ▾ to select Special Function control	
2	Press Enter ⬚ and ▾ to select "Time",	
3	Press Enter ⬚ , or ▸ to expand the menu.	
4	Setting up on time by choosing "On Timer" ☞ Note : When "ON Timer" is set, the TV will be turned on automatically at a "On Timer" setting time.	
5	Setting up the off Time by choosing "Off Timer" ☞ Note : When "OFF Timer" is set, the TV will be turned off automatically at a "Off Timer" setting time.	
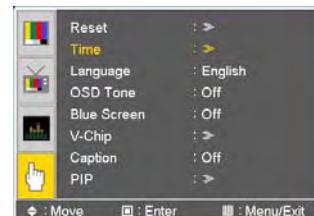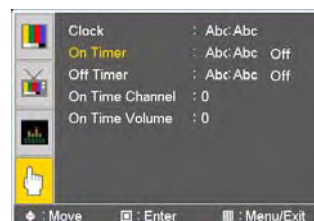
6   Select the Channel you wish to view when TV turn on.

7   Select the Volume level you desire when TV turn on.

8   **MENU**
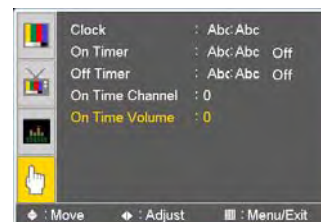
     Press to end.

Language Set - Up

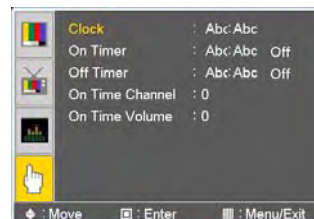1   Press ▥ and   to select Special Function control
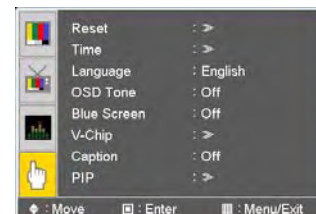
2   Press Enter   and   to select "Language",
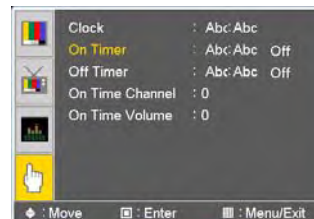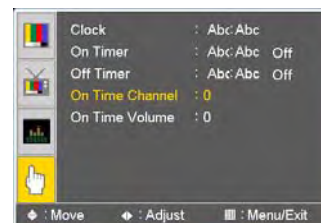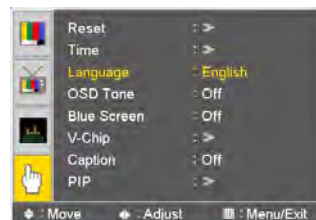
3   Press Enter   , or   to expand the menu.
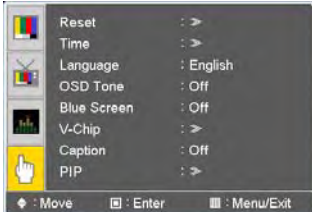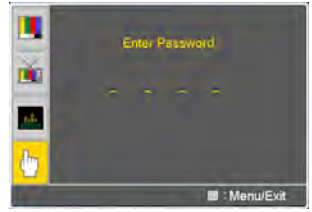
4   Choose one of the six languages by pressing   , and Press Enter   to confirm the selection.

5   Press ▥ to end.

Operating a V-Chip Function

When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable rating (either MPAA or TV Rating)

1	**MENU** Press ⬤ and ▼ to select Special Function control
2	Press Enter and ▲▼ to choose "V-Chip" .
3	Enter your 4-digit number. The default password for a new TV set is 0000.
4	**MENU** Press ⬤ to end.

☞ The V-Chip feature automatically locks out programming that is deemed inappropriate for children.

The user must first enter a password before any of the V-Chip restrictions can be set up or changed.

Enable / Disable the V-Chip

1   Press   or   to move to Status

2   Press   to Select On/Off the V-Chip

4   Press MENU to end.

Setting up V-Chip Password

1   Press   to move to "Change Password"

2   Press   to select.

☞ The "Edit" Button screen will appear.
☞ Press number button to select the "Enter New
Password" and "Confirm New Password (4 digit Only)

4   Press MENU to end.

Set-Up a Restriction Using the "TV GUIDELINES"

1   Type the Personal Identification Number (Password)
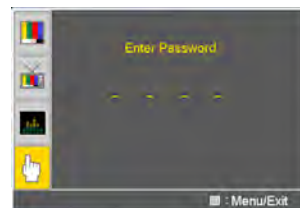
2   Press   to select " TV Parent Guide"

3   Press   or   to move to desired

     Categories.

4   Press Enter   to set the Restriction ratings

5   MENU

     Press   to end.

☞ TV-Y : Young Children
☞ TV-Y7 : Children 7 and over
☞ TV-G : General Audience
☞ TV-PG : Parental Guidance Suggested
☞ TV-14 : Parents strongly cautioned
☞ TV-MA : Mature Audience

* The Restriction for these two groups works independently.

FV: Fantasy Violance   V : Violence   S: Sexual Situation
L : Adult Language   D : Sexual Suggestive Dialog

Set-Up a Restriction Using the "MPAA"

1   Type the Personal Identification Number (Password)

---
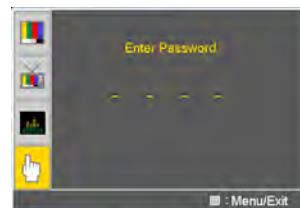
2   Press   to select " MPAA"

---

3   Press   or   to move to desired

Categories.

---

4   Press Enter   to set the Restriction ratings

---

5   Press **MENU** to end.

The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies.

☞ G : All Children and General Audience
☞ PG : Parental Guidance Suggested
☞ PG13 : Parental Guidance for Children under 13
☞ R : Restricted viewing, parental guidance is suggested for children under 17.
☞ NC17 : No Children under age 17.
☞ X : Adults Only
☞ NR : Not Rated

Closed Caption

1	**MENU** Press ⬜ and ⬇ to select Special Function control
2	Press Enter and ⬇ to choose "Caption".
3	Press Enter ⬇ , or to expand the menu.
4	Caption: Turn on or off by pressing "Off": "C/C1": "C/C2": "T 1" "T 2"
5	**MENU** Press ⬜ to end.
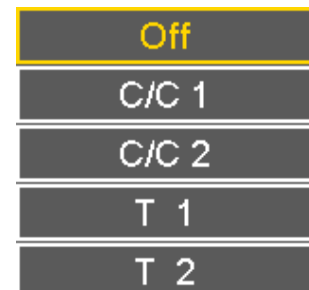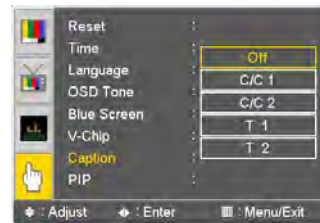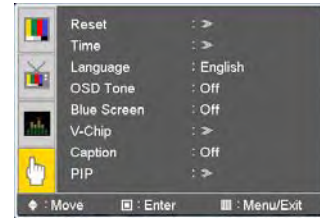
☞ You can get the same result by pressing the "CC" button on the remote control.

☞ Closed Caption is only available in TV, AV, S-Video Source.
   Closed Caption is NOT available in Component1 & Component2 Source.

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PIP Function

1	Press ▦ and ▽ to select Special Function control. and choose "PIP"	
2	Press Enter ▼ and ▼ to choose "PIP".	
3	Press Enter ▼ , and press ▼ to turn PIP "ON" or "OFF" ☞ You can get the same result by pressing the "PIP" button on the remote control.	
4	Choose target (Sub-Frame) input source By pressing ▽ for PIP ☞ You can get the same result by pressing the "PIP SRC" button on the remote control.	
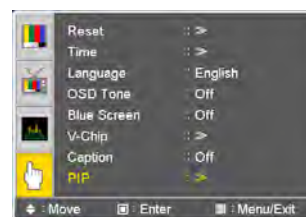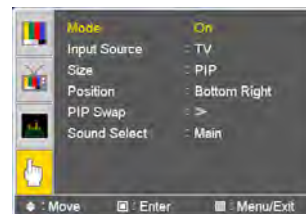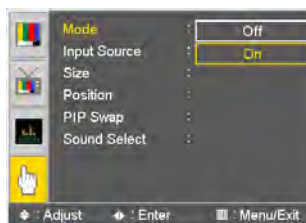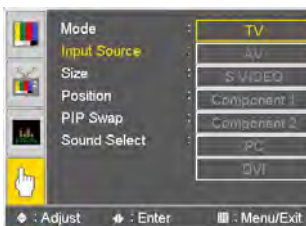
PIP SETTING

O : PIP and Swap available

X : PIP does not operate

Main Screen / PIP Screen	TV	AV	S-Video	Component 1	Component 2	PC	DVI
TV	O	O	O	O	O	O	O
AV	O	O	O	O	O	O	O
S-Video	O	O	O	O	O	O	O
Component 1	O	O	O	X	X	X	X
Component 2	O	O	O	X	X	X	X
PC	O	O	O	X	X	X	X
DVI	O	O	O	X	X	X	X

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Select the size of Main screen and Sub-Screen

5

By pressing   for PIP
☞ You can get the same result by pressing the
"PIP SIZE" button on the remote control.
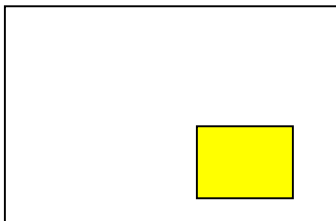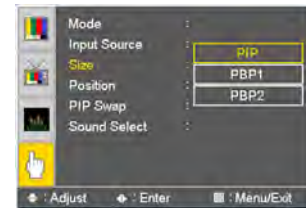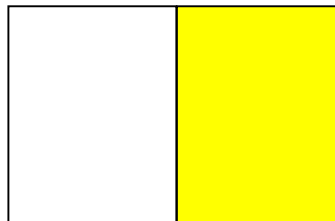
| Picture in Picture (PIP) | Picture by Picture (PBP1) | Picture by Picture (PBP2) |
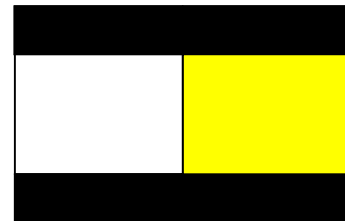
Select the position of Sub-Screen

6

By pressing   for PIP
☞ You can get the same result by pressing the
"PIP POSI" button on the remote control.
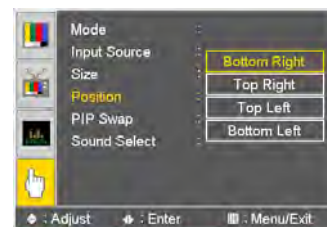
7

PIP Swap by pressing

When pressing Swap button, Main Screen will be   Sub-
frame screen and Sub-frame screen will be a Main Screen
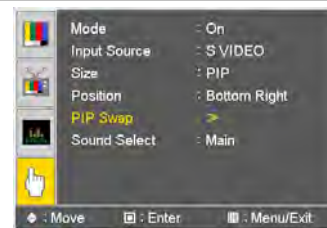
8

Sound Select by pressing   and press Enter.

9.

MENU
Press   to end.
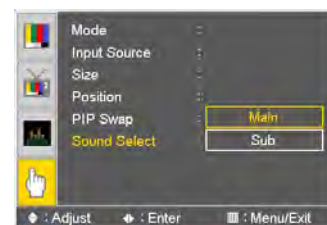
P L A S M A   D I S P L A Y   P A N E L

Operating in PC Mode

Connecting a PC

▶ Using PC Terminal

COMPONENT1

VIDEO Ⓡ Ⓛ   Y Pb Pr

COMPONENT2 COMPONENT1 DVI   EARPHONE S-VIDEO   AV   Y Pb Pr   PC   DVI
AUDIO   COMPONENT2

Audio Cable   PC Cable

PC
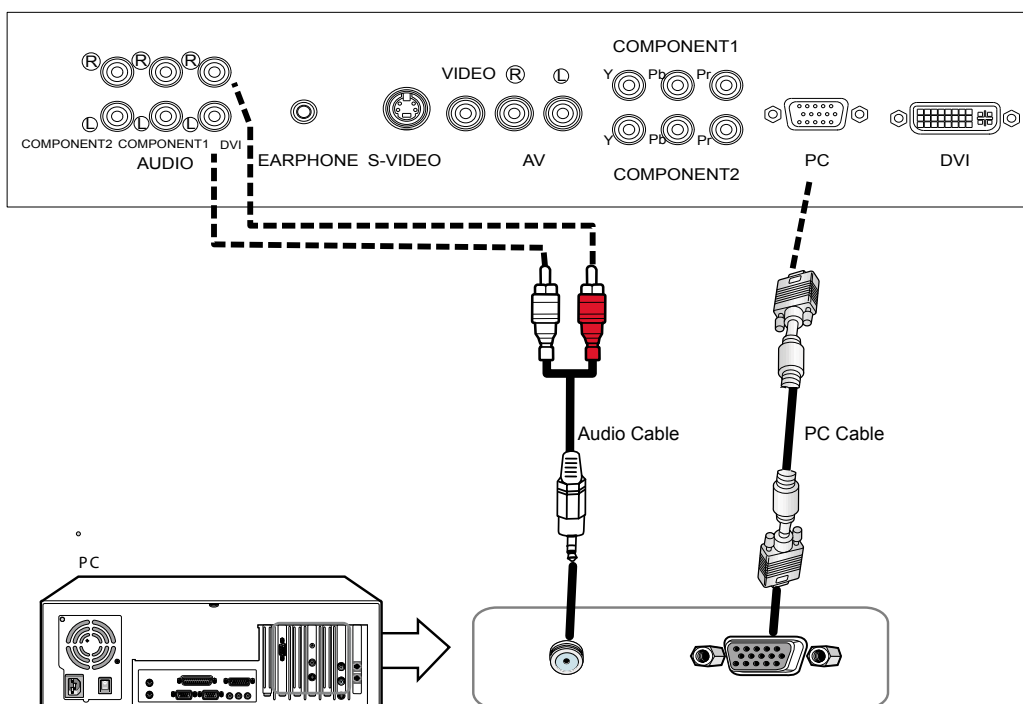
How to Connect

1. Connect a PC 15p D-sub cable (or DVI-D Connection cable) between the 15p D-sub output jack (or DVI-D jack) on the PC and the PC (or DVI-D) input jack on the PDP.
2. Connect a Audio cable between the Audio(RGB or DVI) on the PC and the Audio L/R (PC or DVI-D) input jacks on the PDP.

How to use as PC

1. Turn on the PDP TV and press "SRC" button on the remote control.
2. Use ▲/▼ button to move to "PC".
3. Set the PC video output mode to VGA(640 x 480) / SVGA(800 x 600) / XGA(1024 x 768).
   In the mode higher than SXGA (1280 x 1024, 75Hz) "Out of Range" message appears.
   Make sure to change your PC video format to less than SXGA mode.

Connecting a PC

▶ Using DVI Terminal

VIDEO Ⓡ Ⓛ

COMPONENT1

Y Pb Pr

Y Pb Pr

COMPONENT2 COMPONENT1 DVI

AUDIO   EARPHONE S-VIDEO   AV   COMPONENT2   PC   DVI

PC

Audio Cable

DVI Cable

DVI Jack
(The actual configuration on your PC may be
different, depending on the model)
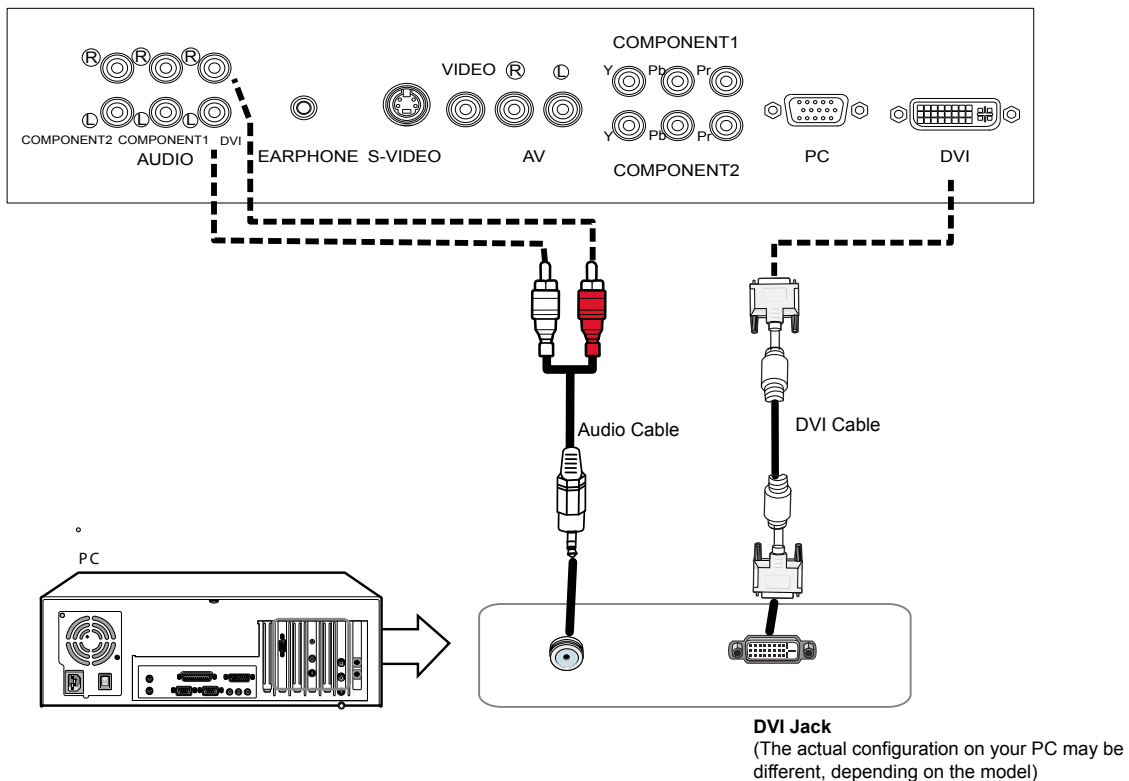
How to Connect

1. Connect a DVI-D Connection cable between DVI-D jack on the PC and the DVI-D
   input jack on the PDP.
2. Connect a Audio cable between the Audio(RGB or DVI) on the PC and the Audio L/R
   (PC or DVI-D) input jacks on the PDP.

How to use as DVI

1. Turn on the PDP TV and press "SRC" button on the remote control.
2. Use ▲/▼ button to move to "DVI".
3. Set the PC video output mode to VGA(640 x 480) / SVGA(800 x 600) / XGA(1024 x 768).
   In the mode higher than SXGA (1280 x 1024, 75Hz) "Out of Range" message appears.
   Make sure to change your PC video format to less than SXGA mode.

Pin Configuration

D-Sub Cable
- 15 Pin Signal Cable (based on protruded pin)

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

DVI-D Cable (Digital-Only Connector)

Pin No.	Signal Assignment	Pin No.	Signal Assignment
1	T.M.D.S. Data2-	13	T.M.D.S. Data3+
2	T.M.D.S. Data2+	14	+5V Power
3	T.M.D.S. Data2/4 Shield	15	Ground (for +5V)
4	T.M.D.S. Data4-	16	Hot Plug Detect
5	T.M.D.S. Data4+	17	T.M.D.S. Data0-
6	DDC Clock	18	T.M.D.S. Data0+
7	DDC Clock	19	T.M.D.S. Data0/5 Shield
8	No Connect	20	T.M.D.S. Data5-
9	T.M.D.S. Data1-	21	T.M.D.S. Data5+
10	T.M.D.S. Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1/3 Shield	23	T.M.D.S. Clock+
12	T.M.D.S. Data3-	24	T.M.D.S. Clock-

Setting up Your PDP (Plug and Play)

Our adoption of the new VESA® plug and play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system, without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification data(EDID) using Display Data Channel(DDC) protocols.
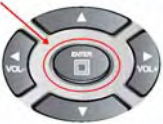
Adjusting PC Screen

1   **MENU**

Press ⬛ button on the remote control
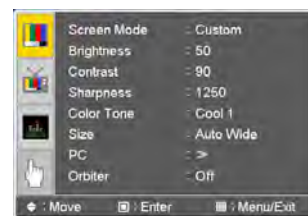
2   Press   to choose PC Menu
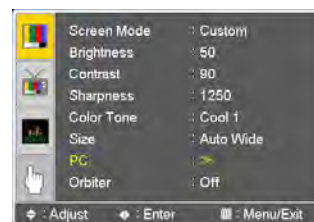
3   Press Enter   , or

to view PC menu.

4   Press Enter   , or   to activate "Auto in Progress"

☞ You can get the same result by pressing the "Auto" button on the remote control.

"Auto in Progress" screen will displayed once it is activated.

Auto in Progress

5   Press   to change Frequency in PC Menu

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6

Press ▼ to change Red, Green Blue Color.

	Auto in Progress	: >
	Phase	: 52
	H Position	: 16
	V Position	: 24
	Frequency	: 50
	Red	: 50
	Green	: 50
	Blue	: 50
♦ : Move	▣ : Enter	▥ : Menu/Exit

P L A S M A   D I S P L A Y   P A N E L

Appendix

Troubleshooting

Problem	Possible Solution
No Picture, No Sound	- Check whether the Monitor is turned on. - Power code inserted into wall outlet? - Check by pushing the Power Switch or Stand-by Button on the Remote Control
No Picture, Normal Sound	- If a signal with a non-applicable color system, format or frequency is input, only the input terminal indication is displayed.
No Color, Normal Sound	- Color controls set at minimum level. - Check color system
Image too bright, Normal Sound	- A video signal has been connected to the AV output terminal by mistake. - The input becomes high impedance, and the image becomes too bright. - Connect video signals to the video input terminal.
Picture appears slowly after switching on	- This is normal as the image is muted during the startup process of the monitor. - Please contact customer service center, if the picture has not appeared after five minutes.
Horizontal/Vertical bars or picture shaking	- Check for local interference such as an electrical appliance or power tool.
Some parts of the screen do not light up	- The plasma display panel is manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.

There are empty spots at the top and the bottom area of the screen.	- When video screen is wider than 16:9 aspect ratio, you may see dark areas at the top and the bottom of the screen - Please check if the screen size of an image is wider than 16:9 aspect ratio (theater screen size)
Afterimages appear	- If still video images or computer images are displayed for long periods of time, an afterimages may appear. - In such cases, display an image which has some degree of movement in it to reduce having afterimages appear.
No output from one of the speakers	- Adjust Balance in the Sound Menu
Unusual sound from inside the monitor	- A change in ambient humidity or temperature may result in an unusual noise when the Plasma display is turned on or off and does not indicate a fault with the monitor
The screen becomes dark and the images cannot be seen during VTR special playback.	- This sometimes occurs when a component output VTR such as the 480i is connected. - This is not a malfunction: therefore, please take note that this may occur. - When it does occur, change to composite output, or S1(or S2) output
Flickering in the form of horizontal lines oscillating up and down (PC input mode only)	- If the direct frequency from the computer is below 85Hz, try a higher frequency (upper limit 85Hz). There may be a slight attenuation of the current image. - Try turning the FILTER ON. For this case however, the vertical resolution will drop.
The fan motor is noisy	- Use the fan that controls the temperature in the main body to lower the temperature of the unit. If the ambient air temperature increases, the fan will start, the RPMs will increase and motor noise will grow louder. - This is not a malfunction though.

Maintenance

Panel Surface

- If the surface is particularly dirty, wipe with a soft, lint-free cloth which has been soaked in water, and then wipe it evenly with a dry cloth of the same type until the surface is dry.

- Do not scratch or hit the surface of the panel with fingernails or other hard objects. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinners, otherwise the quality of the surface may be adversely affected.

Cabinet

- if the cabinet is particularly dirty, soak the cloth in water to which a small amount of neutral detergent has been added and then wring the cloth dry.   Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Wide Plasma Display. It water droplets get inside the unit, operating problems may result.

Power Plug

- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any cleaning.
- Electric shocks can result if this is not done.

Power Cable

- Clean the power cable regularly to prevent it becoming dusty.
- Built up dust on power cord plug can increase humidity which might damage the insulation and cause fire.
- Unplug the cord from wall outlet and clean it with a dry cloth.

Temperature

- If your PDP is suddenly moved from a cold to warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.

Specifications

MODEL	ED (HDTV Ready)	HD (HDTV)
MODEL NO.	PAT-42EPI9N	PDT-42HGE9N
Resolution	852 (H) x 480 (V)	1024 (H) x 768 (V)
Peak Brightness	1000 cd/m^2	1000 cd/m^2
Contrast Ratio	3000:1	3000:1

Panel		
	Screen Size (Active Area)	42" Diagonal (920.1 mm(H) x 518.5 mm(V))
	Aspect Ratio	16:9
	Pixel Pitch	1.08 mm (H) x 1.08 mm (V)
	Displayable Colors	16.77 million colors
	Viewing Angle	over 160 degrees

Input			
	TV - NTSC	1	Analog RF Tuner
	TV - ATSC	Option	High Definition Digital Tuner
	Component	2	HDTV(480i/P, 720P, 1080i), Sound (L,R)
	Composite	1	Video, Sound(L,R)
	S-Video	1	S-Video, Sound(L,R)
	PC (D-Sub 15pin)	1	HDTV(480i/P, 720P, 1080i), VGA, SVGA, XGA
	DVI-D	1	HDTV(480i/P, 720P, 1080i), VGA, SVGA, XGA
	RS-232C	1	

Special Features

3:2 Pull Down
Burn-In Protection (Auto Pixel Shift)
Digital 3D Comb-filter Image Enhancement
Dual Deinteracer (Progressive Scanning)
Digital Noise Auto Reduction
V-Chip & Closed Caption

Sound		
	Audio Mode	5 (Custom, Standard, Music, Movie, Speech)
	Audio Control	Equalizer, AVL, MTS(Mono, Stereo, SAP Mono, SAP Stereo)
	Audio Output	10 W(L) + 10 W(R), Optional Built-in Speakers
	Impedance	8 W(L) + 8 W(R)

Special Functions		
	Multi-Language OSD	6 major languages
	Picture Mode	6 (Wide, Panorama, V-Zoom1, V-Zoom2, Zoom (14:9), 4:3)
	Color Temperature	5 (Normal, Cool1, Cool2, Warm1, Warm2)
	Sleep Timer	30~180 minutes
	Picture in Picture(PIP)	4 positions
	Picture by Picture(PBP)	PBP1, PBP2
	Earphone	

Operating Condition		
	Temperature	0~40 $^\circ$C / 32~104 $^\circ$F
	Humidity	20~80% (without condensation)
	Storage Temperature	-20~60 $^\circ$C / -4~158 $^\circ$F

Certifications	UL, FCC, cUL

Cooling System	Fanless

Power Source	Free Voltage	AC 100V~240V, 50/60Hz
Power Consumption		320W (Typical)

Weight (TV only)	79LBS (36Kg)
Dimensions (TV only)	40.7"(W) x 25"(H) x 3.7"(D) (1034 mm x 635 mm x 93 mm)

Optional Accessories

Table Top Stand
Wall Mount
External Speakers - 10 W(L) + 10 W(R)

* Features and specifications are subject to change without notification.
  Dimensoins shown are approximate, not exact, and are not intended for custom installation purposes.
  Cosmetic appearances of products may vary from that depicted here.

Warranty Card

idisplay.tv Corporation
Limited 1 year Warranty

idisplay.tv.Corp. hereby warrants, subject to the conditions herein stated in the paragraphs below, that should this product become defective by reason of improper workmanship or material defect during the specified warranty period, idisplay.tv Corp. at its option, will repair(on site service will be provided where available) or refund the same, effecting all necessary parts replacements, without charge for either parts or labor.

Warranty Period;

idisplay.tv Corp. warrants that from the date of purchase, this product will be free from defects in material for a period of one (1) year and a period of (1) year on labor. idiplay.tv Corp. at its option, will repair (on-site service will be provided where available) or refund this product found to be defective during the warranty period. If the product is no longer available, idiplay.tv Corp. may refund your purchase, with original proof of purchase.

Conditions;

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty service and/or refund. idisplay.tv Corp. products do not have the right to alter, modify or in any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: Negligent use or misuse of the product; Improper voltage or current; Use contrary to the operating instructions; Deviation from instructions regarding storage and transportation; Disassembly; Repair or alteration by anyone other than idisplay.tv Corp. or a idisplay.tv Corp. authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes.

idisplay.tv Corp. shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Some states, provinces or jurisdictions do not allow any exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other lights that vary from state to state or province to province.

How to Obtain Warranty Service

You must contact idisplay.tv Corp. Customer Service/Technical Support at our toll-free number 1-866-334-8324(TECH) or by service@idiplay.tv.
A Customer Service/Technical Support representative will attempt to resolve warranty issues over the phone. If telephone resolution is not possible, the Customer Service/Technical Support representative will require your assistance in performing routine diagnostic procedures.

idisplay.tv Corporation
Quality Control Department/
Customer Service Department
5690 Stewart Avenue
Fremont, CA 94538
U.S.A