

Adjusting the Sound Settings

ENG

The sound settings can be adjusted to suit your personal preferences.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

- 3 Press the **▶** button.

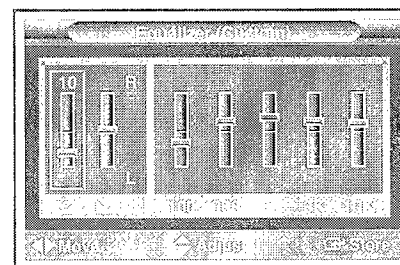
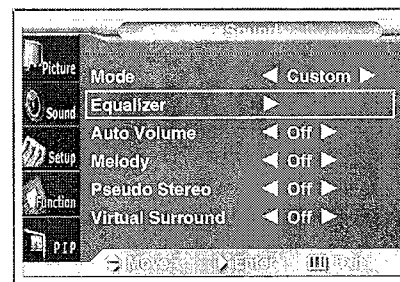
- 4 Press the **▲** or **▼** button to select **Equalizer**. Press the **▶** button.

Result: The **Equalizer** menu is displayed with the current option.

- 5 Select the option (volume, balance, equalizer) to be adjusted by pressing the **◀** or **▶** button. Press the **▲** or **▼** button to reach the required setting.

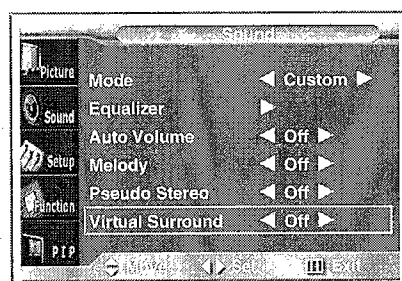
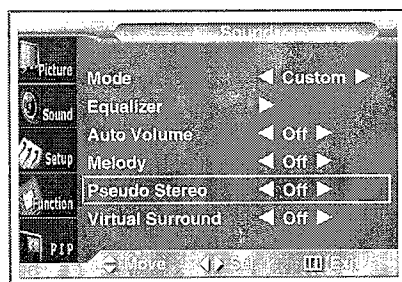
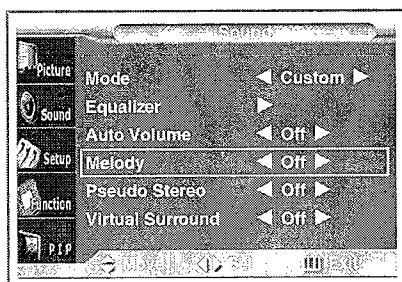
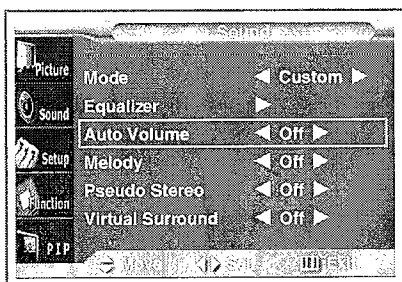
- 6 When you are satisfied with the settings, press the **ENTER** button to store them.

➤ If you make any changes to the equalizer settings, the sound mode is automatically switched to the **Custom**.



Extra Sound Settings

ENG



◆ Auto Volume

Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

◆ Melody

You can hear clear melody sound when the PDP is powered on or off.

◆ Pseudo Stereo / Virtual Surround

Pseudo stereo feature converts a monaural sound signal into two identical left and right channels. Once the **Pseudo stereo** or **Virtual surround** is set to **On** or **Off**, these settings apply to the sound effects such as **Standard**, **Music**, **Movie**, and **Speech**.

- 1 Press the **MENU** button.
Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Sound**.
Result: The options available in the **Sound** group are displayed.

- 3 Select the required option (**Auto Volume**, **Melody**, **Pseudo Stereo**, **Virtual Surround**) by pressing the **▲** or **▼** button.

- 4 Press the **◀** or **▶** button to change the setting (**Off** or **On**).

Adjusting the Screen Position and Scale

ENG

- 1 Press the **MENU** button.
Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Result: The options available in the **Setup** group are displayed.

- 3 Press the **▶** button.
Result: The **Screen Adjust** is selected.

- 4 Press the **▶** button again.
Result: The **Screen Adjust** menu is displayed with the **Position** selected.

- 5 Press the **▶** button over again. Adjust the screen position by pressing the **▲**, **▼**, **◀**, or **▶** button.

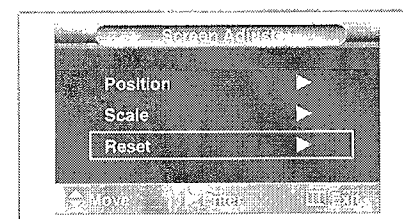
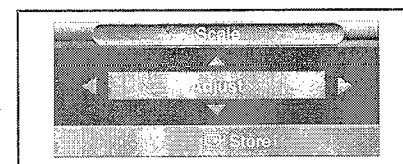
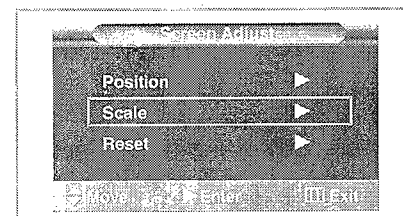
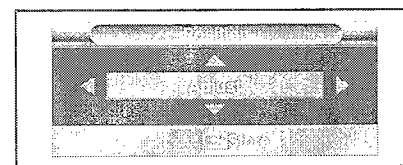
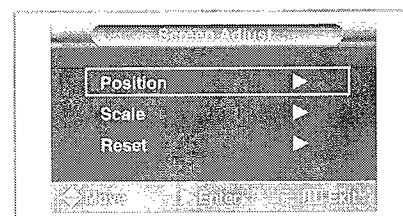
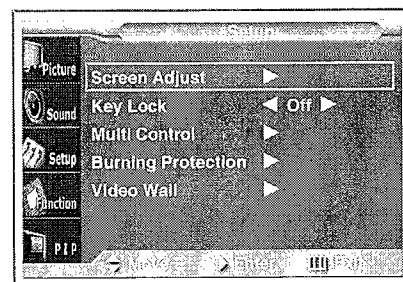
- 6 When you are satisfied with the setting, press the **ENTER** button to store.

- 7 Press the **MENU** button.
Result: The **Screen Adjust** menu is displayed again.

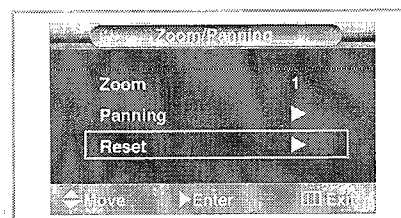
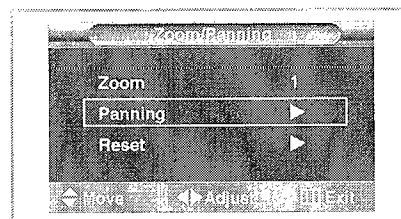
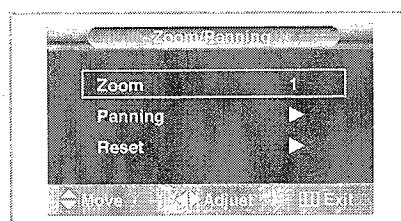
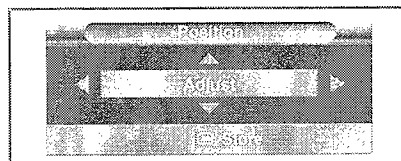
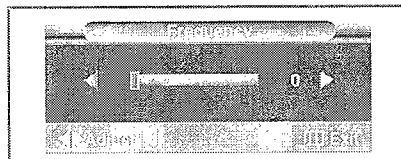
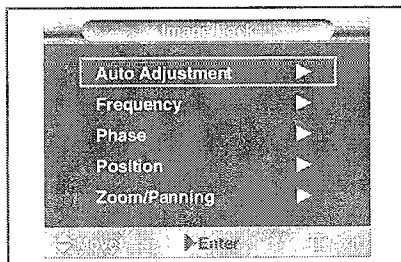
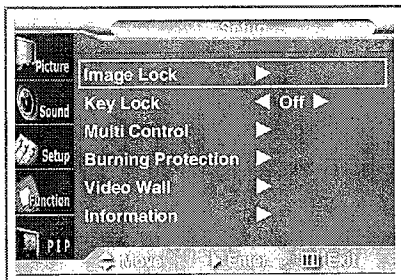
- 8 Press the **▲** or **▼** button to select **Scale**. Press the **▶** button. Adjust the screen scale by pressing the **▲**, **▼**, **◀**, or **▶** button.

- 9 When you are satisfied with the setting, press the **ENTER** button to store.

- 10 Press the **▲** or **▼** button to select **Reset**. Press the **▶** button.
Result: The position and scale settings are replaced with the factory default values.



Adjusting the Image Preferences (PC1/PC2 Mode)



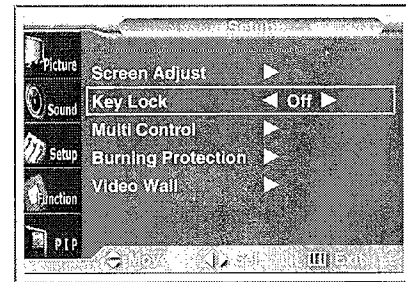
- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.
Result: The options available in the **Setup** group are displayed.
- 3 Press the **►** button.
Result: The **Image Lock** is selected.
- 4 Press the **►** button again.
Result: The **Image Lock** menu is displayed with the **Auto Adjustment** selected.
- 5 Press the **►** button over again.
Result: The screen size and frequency are automatically reset with the **Auto Adjustment** displayed.
➤ You can also do simply by pressing the **AUTO** button.
- 6 Press the **▲** or **▼** button to select **Frequency** (or **Phase**). Press the **►** button.
Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the **◀** or **►** button.
- 7 When you are satisfied with the settings, press the **MENU** button.
Result: The **Image Lock** menu is displayed again.
- 8 Press the **▲** or **▼** button to select **Position**. Press the **►** button. Adjust the screen position by pressing the **▲**, **▼**, **◀**, or **►** button.
- 9 When you are satisfied with the setting, press the **ENTER** button to store.
- 10 Press the **MENU** button.
Result: The **Image Lock** menu is displayed again.
- 11 Press the **▲** or **▼** button to select **Zoom/Panning**. Press the **►** button.
Result: The **Zoom/Panning** menu is displayed with the **Zoom** selected.
➤ You can also do simply by pressing the **ZOOM** button.
- 12 Press the **◀** or **►** button to reach the required magnification.
- 13 Press the **▲** or **▼** button to select **Panning**. Move the magnified picture to required position by using pressing the **▲**, **▼**, **◀**, or **►** button.
- 14 Press the **▲** or **▼** button to select **Reset**. Press the **►** button.
Result: The zoom and panning settings are replaced with the factory default values.

➤ The **Panning** and **Reset** menus can be used when value of **Zoom** is more than 1.

Locking the Control buttons

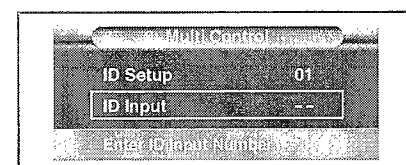
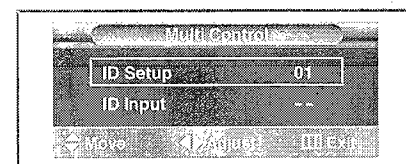
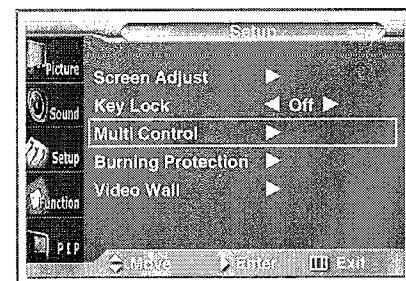
ENG

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.
Result: The options available in the **Setup** group are displayed.
- 3 Press the **►** button.
- 4 Press the **▲** or **▼** button to select **Key Lock**.
- 5 Press the **◀** or **►** button to change the setting (**On** or **Off**).



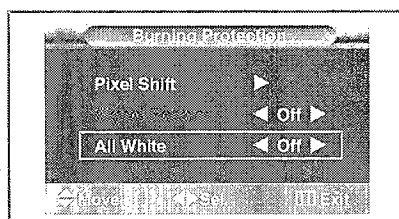
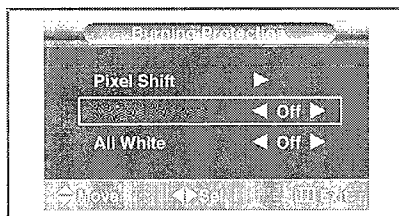
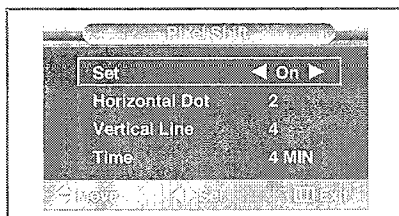
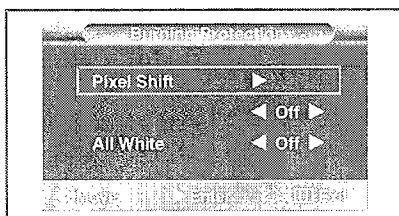
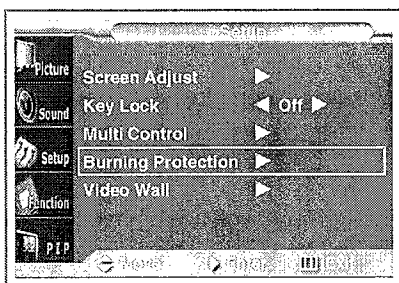
Setting the Multiple Display Control (MDC)

- 1 Press the **MENU** button.
Result: The main menu is displayed.
 - 2 Press the **▲** or **▼** button to select **Setup**.
Result: The options available in the **Setup** group are displayed.
 - 3 Press the **►** button.
 - 4 Press the **▲** or **▼** button to select **Multi Control**.
 - 5 Press the **►** button.
Result: The **Multi Control** menu is displayed with the **ID Setup** selected.
 - 6 Select the ID setup number by pressing the **◀** or **►** button.
 - 7 Press the **▲** or **▼** button to select **ID Input**. Enter ID input number by using the numeric buttons.
- To operate the multi control function, PDP1 and PDP2 should be set in the ID Setup mode. When entering the ID Input number of PDP1 while the PDP is set in the ID Input mode, only PDP1 is switched to the Menu screen and you can operate the remote control. At this time, PDP2 doesn't operate with the remote control and displays the standby mode of ID Input.
- For further details about multi control, refer to pages ??~??.



Protecting the Screen Burning

ENG



You can prevent the residual image of the PDP.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

- 3 Press the **▶** button.

- 4 Press the **▲** or **▼** button to select **Burning Protection**.

- 5 Press the **▶** button.

Result: The **Burning Protection** menu is displayed with the **Pixel Shift** selected.

- 6 Press the **▶** button again.

Result: The **Pixel Shift** menu is displayed with the **Set** selected.

➤ You can also do simply by pressing the **S.EFFECT** button.

- 7 Set to **On** by pressing the **◀** or **▶** button for making the screen move per regular hour and preventing the residual image.

- 8 Select the option (**Horizontal Dot**, **Vertical Line**, **Time**) to be adjusted by pressing the **▲** or **▼** button. Press the **◀** or **▶** button to reach the required setting.

- 9 When you are satisfied with the settings, press the **MENU** button.

Result: The **Burning Protection** menu is displayed again.

- 10 Press the **▲** or **▼** button to select **Signal Pattern**. Set to **On** by pressing the **◀** or **▶** button for removing the residual image.

- 11 Press the **▲** or **▼** button to select **All White**. Set to **On** by pressing the **◀** or **▶** button for removing the residual image after making the screen white.

➤ The **Signal Pattern** and **All White** feature are effective after working for a long time.

Setting the Multiple Screen

ENG

You can get the various display effect with many PDPs.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

- 3 Press the **►** button.

- 4 Press the **▲** or **▼** button to select **Video Wall**.

- 5 Press the **►** button.

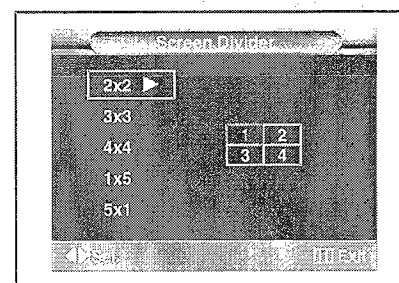
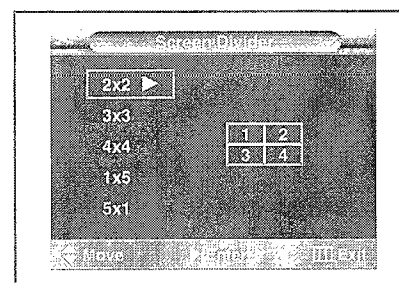
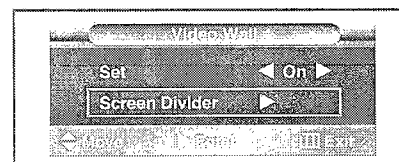
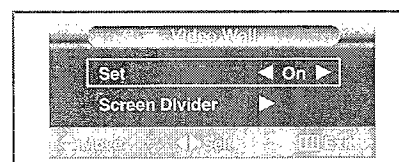
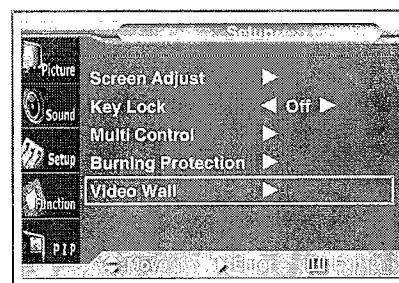
Result: The **Video Wall** menu is displayed with the **Set** selected.

- 6 Set to **On** by pressing the **◀** or **►** button.

- 7 Press the **▲** or **▼** button to select **Screen Divider**. Press the **►** button.

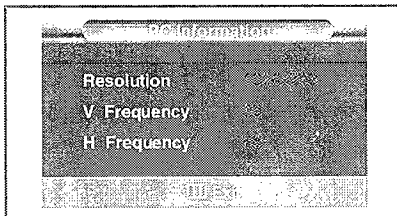
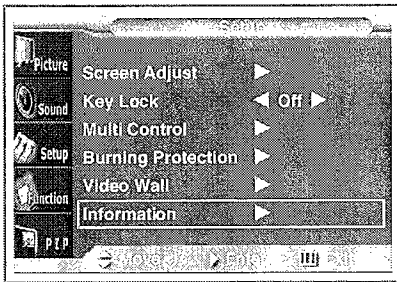
- 8 Select the option (**2x2**, **3x3**, **4x4**, **1x5**, **5x1**) by pressing the **▲** or **▼** button. Press the **►** button.

- 9 Press the **◀** or **►** button to select the position of the screens. ???



Displaying the PC Information

ENG



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

3 Press the **▶** button.

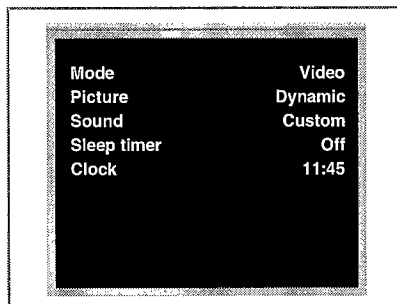
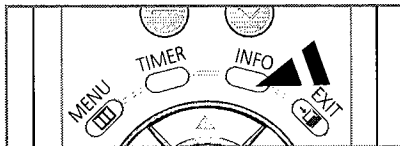
4 Press the **▲** or **▼** button to select **Information**.

5 Press the **▶** button.

Result: The resolution, vertical frequency and horizontal frequency are displayed.

Displaying the Setting Information

You can view the setting status you select by pressing the "INFO" button on the remote control.



Setting and Displaying the Current Time

ENG

You can set the clock so that the current time is displayed. You must also set the time if you wish to use the automatic on or off timers.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Function**.

Result: The options available in the **Function** group are displayed.

- 3 Press the **▶** button.

- 4 Press the **▲** or **▼** button to select **Time**. Press the **▶** button.

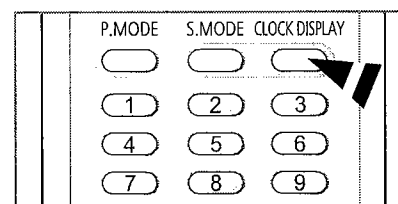
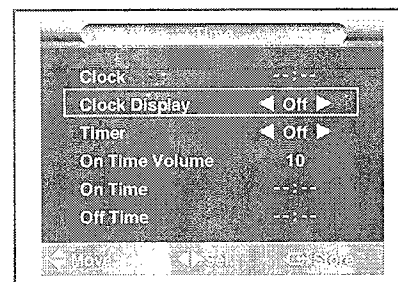
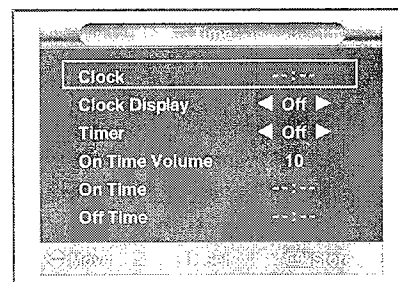
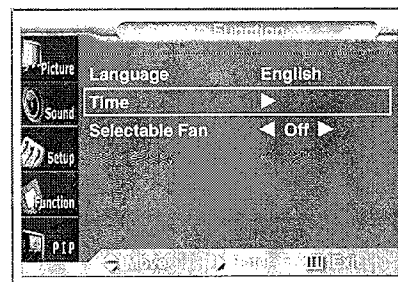
Result: The **Time** menu is displayed with the **Clock** option selected.

- 5 Press the **◀** or **▶** button to move to the hour or minute. Set the hour or minute by pressing the **▲** or **▼** button.

- 6 Press the **▲** or **▼** button to select **Clock Display**. Set to **On** by pressing the **◀** or **▶** button for displaying the current time.

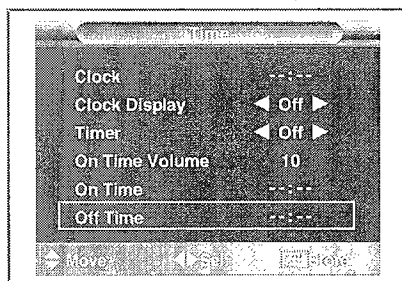
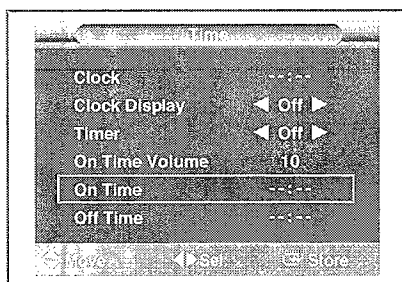
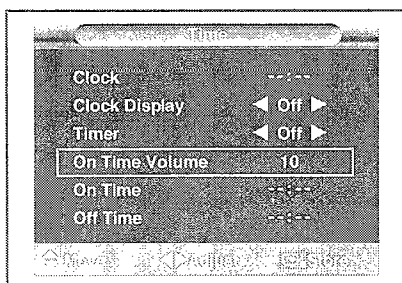
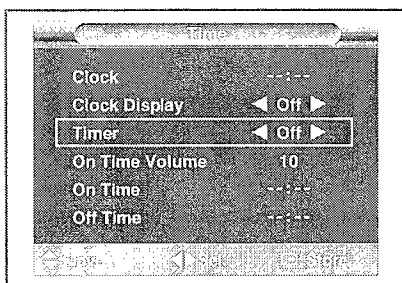
➤ You can also do simply by pressing the **CLOCK DISPLAY** button.

- 7 When you are satisfied with the settings, press the **ENTER** button to store them.



Switching On and Off Automatically

ENG



You can set the on or off time so that the PDP will:

- ◆ Switch on automatically and tune to the volume of your choice at the time you select
- ◆ Switch off automatically at the time you select

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the **►** button.

4 Press the **▲** or **▼** button to select **Time**. Press the **►** button.

Result: The **Time** menu is displayed.

5 Press the **▲** or **▼** button to select **Timer**. Set to **On** by pressing the **◀** or **▶** button for switching on or off automatically.

6 Press the **▲** or **▼** button to select **On Time Volume**. Set the volume by pressing the **◀** or **▶** button for tuning to the volume of your choice at the time switching on.

7 Press the **▲** or **▼** button to select **On Time**. Press the **◀** or **▶** button to move to the hour or minute. Set the time at which you wish the PDP to be switched on automatically by pressing the **▲** or **▼** button.

8 Press the **▲** or **▼** button to select **Off Time**. In the same above, set the time at which you wish the PDP to be switched off automatically.

➤ Absent Power Off

When you set the timer "On", your PDP will eventually be turned off, if you do not operate any controls during the 3 hours after the PDP is turned on by timer. This function is available in only the timer "On" mode and will prevent a leakage accident or overheating, caused by your PDP left on for a long time due to the timer "On" (when you are away on holiday, for example).

Setting the Sleep Timer

ENG

You can select a time period of between 15 and 180 minutes after which the television automatically switches to Standby mode.

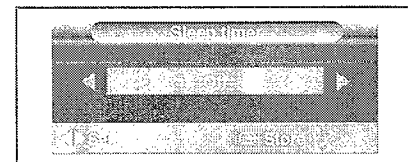
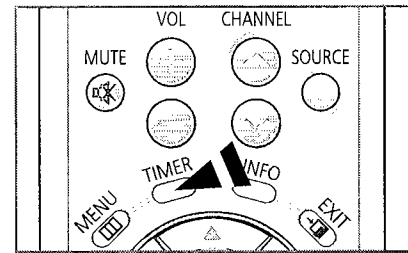
- 1 Press the **TIMER** button.

Result: The **sleep timer** menu is displayed.

- ◆ If the sleep timer is not yet set, **off** is displayed.
If the sleep timer is already set, the remaining time before which the television switches to Standby mode is displayed.

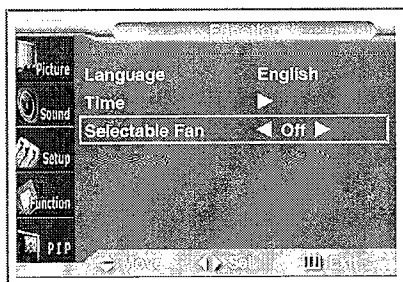
- 2 Select the preset time intervals (15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180) by moving the joystick left or right.

- 3 Press the **ENTER** button to confirm your selection.



Turning On the Fan

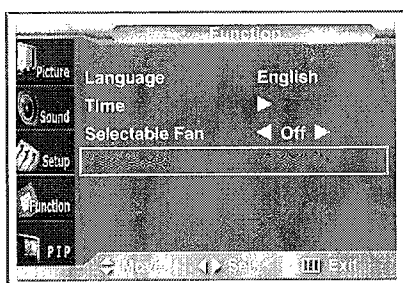
ENG



You can use the Fan if you are anxious for the PDP.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the ▲ or ▼ button to select **Function**.
Result: The options available in the **Function** group are displayed.
- 3 Press the ► button.
- 4 Press the ▲ or ▼ button to select **Selectable Fan**.
- 5 Press the ◀ or ▶ button to change the setting (**On** or **Off**).

Setting the Film Mode



When a video input source is from a film such as movies, this feature identifies the source and changes to the corresponding screen.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the ▲ or ▼ button to select **Function**.
Result: The options available in the **Function** group are displayed.
- 3 Press the ► button.
- 4 Press the ▲ or ▼ button to select **Film Mode**.
- 5 Press the ◀ or ▶ button to change the setting (**On** or **Off**).

Viewing the Picture In Picture (PIP)

ENG

You can display a sub picture within the main picture. In this way you can monitor the video input from any connected devices while monitoring other video input.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **PIP**.

- 3 Press the **▶** button.

Result: The **PIP** option is selected.

- 4 Set to **On** by pressing the **◀** or **▶** button for activating the PIP feature.

Result: The options available in the **PIP** group are displayed.

- 5 Press the **▲** or **▼** button to select **Sel.**. Select a source of the sub picture by pressing the **◀** or **▶** button.

Result: The sources are displayed in the following order:

Video - S-Video - Component1 - Component2 - PC1 - PC2 - DVI

➤ For further details about selecting a source, refer to "Selecting the source of sub picture depending on the source of main picture" on page 34.

- 6 Press the **▲** or **▼** button to select **Swap**. Press the **▶** button.

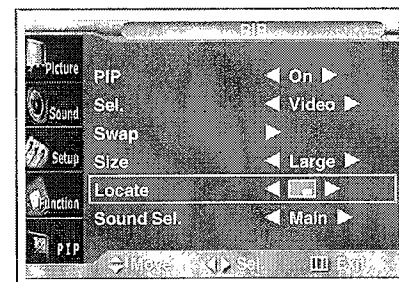
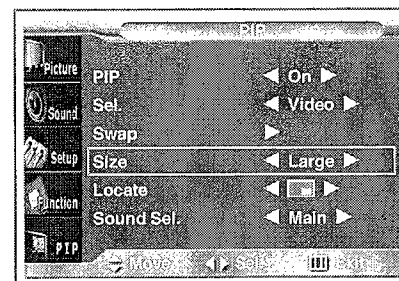
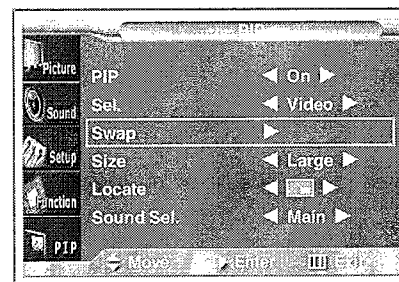
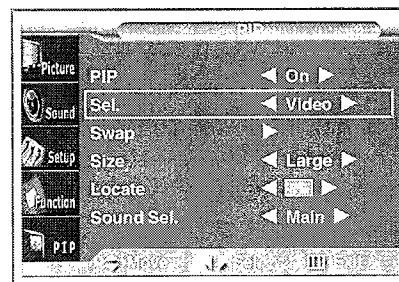
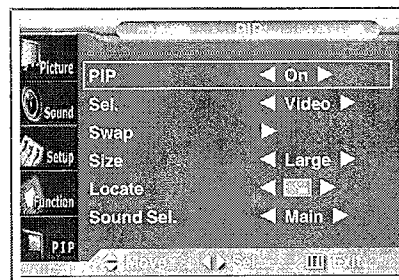
Result: The main picture and sub picture are interchanged.

- 7 Press the **▲** or **▼** button to select **Size**. Select a size of the sub picture by pressing the **◀** or **▶** button.

Result: The sizes are displayed in the following order:

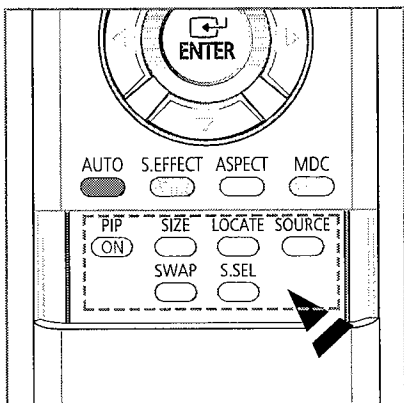
Large - Small - Double1 - Double2

- 8 Press the **▲** or **▼** button to select **Locate**. Select a location of the sub picture by pressing the **◀** or **▶** button.



Viewing the Picture In Picture (PIP) (continued)

ENG



Easy functions of remote control.

Buttons	Feature
PIP ON	Used to activate or deactivate the PIP feature directly.
SIZE	Used to select a size of sub picture (Large , Small , Double1 , Double2).
LOCATE	Used to move the sub picture counterclockwise.
SOURCE	Used to assign a source of sub picture.
SWAP	Used to interchange the main picture and the sub picture.
S.SEL	Used to listen the sound of the sub picture.

Selecting the source of sub picture depending on the source of main picture.

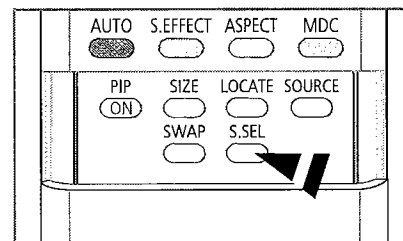
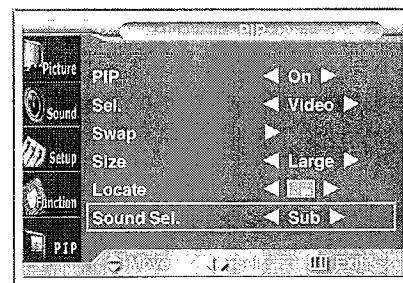
Main picture Sub picture	Video	S-Video	Component1	Component1	PC1	PC2	DVI
Video		✓	✓	✓	✓	✓	✓
S-Video	✓		✓	✓	✓	✓	✓
Component1	✓	✓					
Component2	✓	✓					
PC1	✓	✓					
PC2	✓	✓					
DVI	✓	✓					

Listening to the Sound of the Sub Picture

ENG

During the PIP feature is activating, you can listen to the sound of the sub picture.

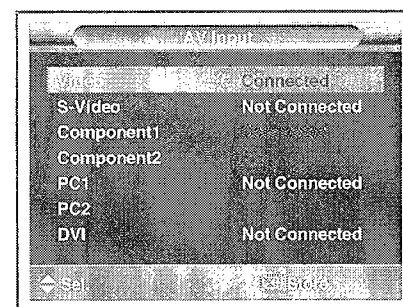
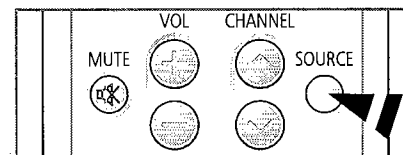
- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **PIP**.
Result: The options available in the **PIP** group are displayed.
- 3 Press the **▶** button.
- 4 Press the **▲** or **▼** button to select **Sound Sel..** Set to **Sub** by pressing the **◀** or **▶** button.
Result: You can listen to the sound of the sub picture.
 - ◆ To listen the sound of current main picture, set to **Main**.
 - ◆ You can also do simply by pressing the **S.SEL** button.



Viewing Pictures From External Sources

Once you have connected up your various audio and video systems, you can view different sources by selecting the appropriate input.

- 1 Check that all the necessary connections have been made.
 - 2 Switch your PDP on, then press the **SOURCE** button.
Result: The input sources available are displayed.
 - 3 Press the **▲** or **▼** button to select the required input source.
 - 4 Press the **ENTER** button to store.
- If you change the external source while viewing, pictures might take a short period of time to be switched.



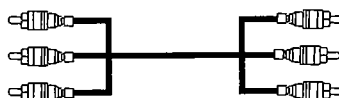
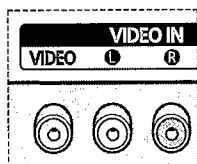
Connecting to the Audio/Video Input

ENG

The "VIDEO IN" connectors are used for equipment, such as a camcorder or VCR.

Rear of the PDP

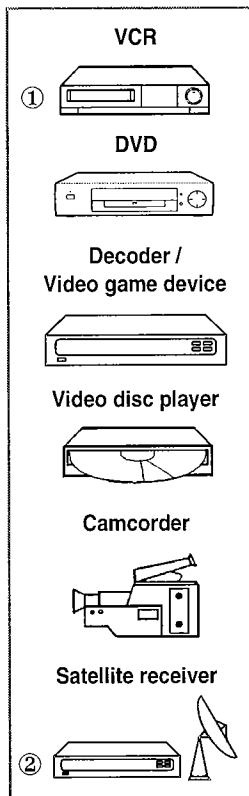
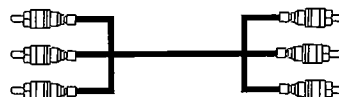
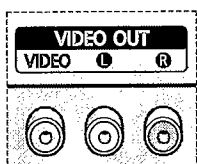
(Input)



The "VIDEO OUT" connectors used for the equipment with an Composite output, such as video game devices or video disc players.

Rear of the PDP

(Output)



- ① If you have a second VCR and wish to copy cassettes tape, connect the source VCR to "VIDEO IN" and the target VCR to "VIDEO OUT" so that you can redirect the signal from "VIDEO IN" to "VIDEO OUT".
- ② When you wish to record a programme, connect the receiver to "VIDEO IN" and the VCR to "VIDEO OUT" so that you can redirect the signal from "VIDEO IN" to "VIDEO OUT".



Whenever you connect an audio or video system to your PDP, ensure that all elements are switched off.

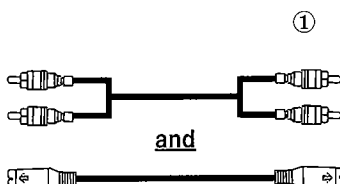
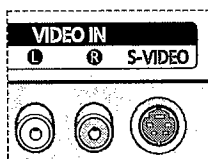
Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

Connecting to the S-Video Input

ENG

The S-VIDEO and RCA (AUDIO-L/R) connectors are used for equipment with an S-Video output, such as a camcorder or VCR.

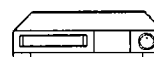
Rear of the PDP



Camcorder



VCR

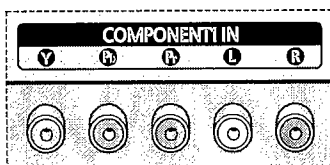


① To play picture and sound, both the S-VIDEO and RCA connectors must be used.

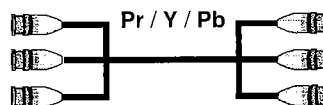
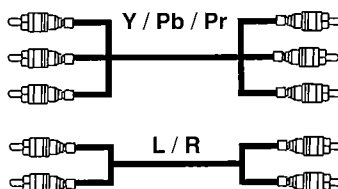
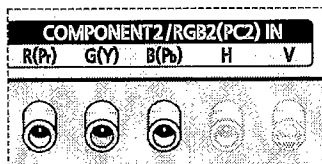
Connecting to the DVD Input

The "COMPONENT1 IN" (or "R(Pr)/G(Y)/B(Pb)" (video) and "AUDIO") connectors are used for equipment with a DVD output.

Rear of the PDP



or



and



DVD

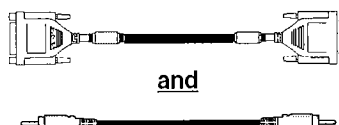
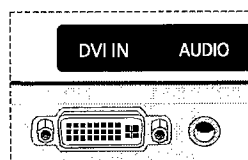


Connecting to the DVI Input

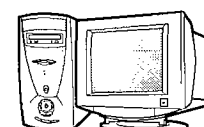
ENG

The "DVI IN" (video) and "AUDIO" connectors are used for equipment with a DVI output.

Rear of the PDP



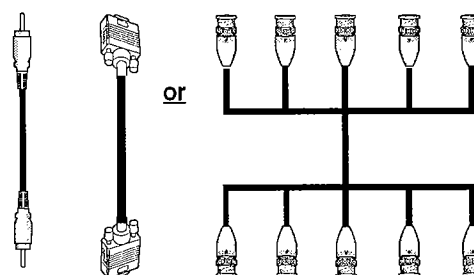
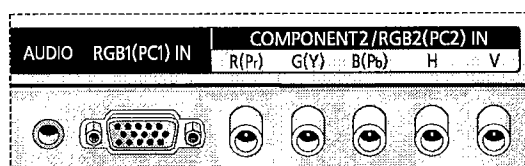
Personal Computer



Connecting to the PC Input

The "RGB1(PC1) IN" (or "R(Pr)/G(Y)/B(Pb)/H/V") and "AUDIO" connectors are used for interfacing with your PC.

Rear of the PDP



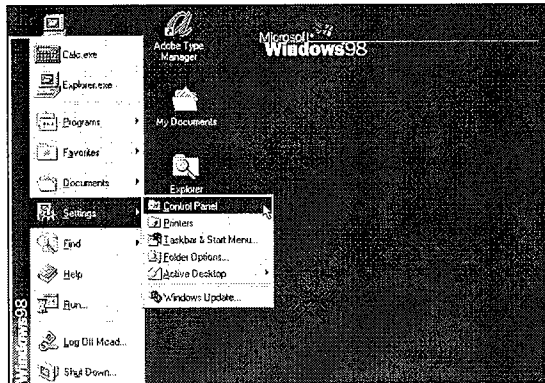
Personal Computer



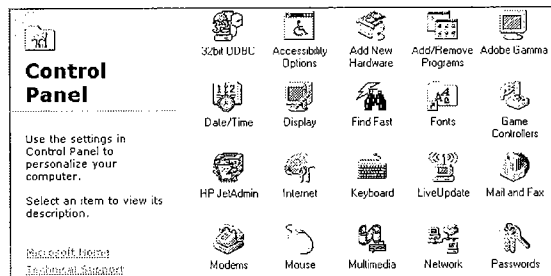
Setting up Your PC Software (Windows only)

ENG

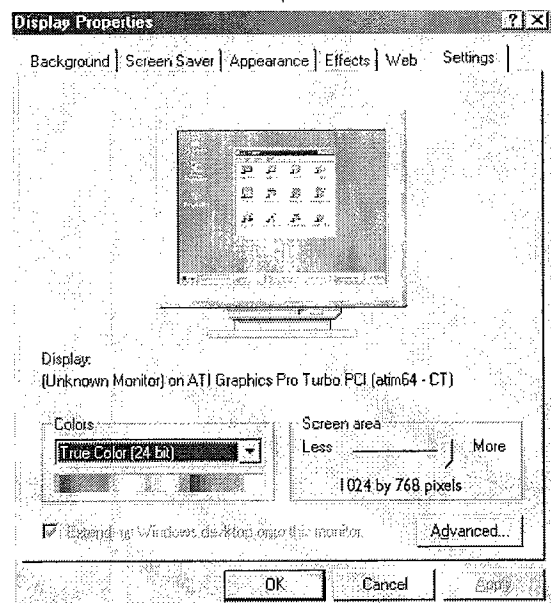
The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)



On the windows screen, select in the following sequence: **Start → Settings → Control Panel.**



When the control panel screen appears, click on **Display** and a display dialog-box will appear.



Select the **Settings** tab in the display dialog-box.

The two key variables that apply the television-PC interface are "Resolution" and "Colours".
The correct settings for these two variables are:

- ◆ Size (sometimes called "Resolution")
 - **640 x 480 pixels** (PPM42S3)
 - **1024 x 768 pixels** (PPM50/63H3)
- ◆ Colour
 - 24-bit colour** (might also be expressed as "16 million colours")
 - Shown at left is a typical screen for "Display" dialog box.

If a vertical-frequency option exists on your display settings dialog box, the correct value is **60 Hz**.
Otherwise, just click **OK** and exit the dialog box.

Input Mode (PC/DVI)

Both screen position and size will vary depending on the type of PC monitor and its resolution.
The table below shows all of the display modes that are supported:

Standard	Dot x Line	Vertical frequency (Hz)	Horizontal frequency (kHz)	Vertical polarity	Horizontal polarity
VGA	640 x 350	75	31.5	N	P
		85	37.9	N	P
	640 x 400	85	37.9	P	N
	720 x 400	70	31.5	P	N
		85	37.9	P	N
	640 x 480	60	31.5	N	N
		72	37.9	N	N
		75	37.5	N	N
		85	43.3	N	N
SVGA	800 x 600	56	35.2	N/P	N/P
		60	37.9	P	P
		72	48.1	P	P
		75	46.9	P	P
		85	53.7	P	P
XGA	1024 x 768	60	48.4	N	N
		70	56.5	N	N
		75	60.0	P	P
WVGA	848 x 480	60	29.8	N	P
		72	35.1	N	P
		75	36.0	N	P
WXGA+ (PPM50/63H3)	1366 x 768	60	48.2	N	N

(N: Negative / P: Positive)

- ◆ The interlace mode is not supported.
- ◆ The television might operate abnormally if a non-standard video format is selected.
- ◆ "1366 x 768" is not available in DVI mode.
- ◆ The 1366 x 768 mode is only supported by a particular video card (**PIXEL PERFECT** made by **IMAGINE GRAPHICS Ltd.**).

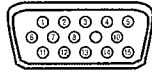
Notes

- ◆ The PC text quality for PPM42S3 is optimum in **VGA** mode (640 x 480). For PPM50H3 and PPM63H3, use **XGA** mode (1024 x 768).
- ◆ When this television is used as a PC display, 24-bit colour is supported (over 16 million colours).
- ◆ Your PC display screen might appear different depending on the manufacturer (and your particular version of Windows). Check your PC instruction book for information about connecting your PC to a television.
- ◆ If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 31.5kHz (horizontal). In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the **SOURCE** button to enter the Video mode. Also, make sure that the PC is connected.
- ◆ When connecting a notebook PC to the television, make sure that the PC screen is displayed through only the television (Otherwise, random signals might appear).
- ◆ When horizontal synchronous signals seem irregular in PC mode, check PC power saving mode or cable connections.

Pin Configurations

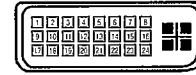
ENG

**PC Input Connector
(15Pin)**



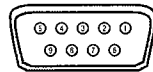
Pin	PC IN
1	Red (R)
2	Green (G)
3	Blue (B)
4	Grounding
5	Grounding (DDC)
6	Red (R) Grounding
7	Green (G) Grounding
8	Blue (B) Grounding
9	Reserved
10	Sync Grounding
11	Grounding
12	Data (DDC)
13	Horizontal sync.
14	Vertical sync.
15	Clock (DDC)

**DVI Input Connector
(24Pin)**



Pin	Signal
1	T.M.D.S. Data2-
2	T.M.D.S. Data2+
3	T.M.D.S. Data2/4 Shield
4	T.M.D.S. Data4-
5	T.M.D.S. Data4+
6	Clock (DDC)
7	Data (DDC)
8	Not Connected
9	T.M.D.S. Data1-
10	T.M.D.S. Data1+
11	T.M.D.S. Data1/3 Shield
12	T.M.D.S. Data3-
13	T.M.D.S. Data3+
14	+5V Power
15	5V Grounding
16	Hot Plug Detect
17	T.M.D.S. Data0-
18	T.M.D.S. Data0+
19	T.M.D.S. Data0/5 Shield
20	T.M.D.S. Data5-
21	T.M.D.S. Data5+
22	T.M.D.S. Clock Shield
23	T.M.D.S. Clock+
24	T.M.D.S. Clock-

**RS232C Connector
(9Pin)**



Pin	Signal
1	Carrier Detect
2	Receive Data
3	Transmit Data
4	Data Terminal Ready
5	System Ground
6	Data Set Ready
7	Request to Send
8	Clear to Send
9	Ring Indicator

Troubleshooting: Before Contacting Service Personnel

Before contacting Samsung after-sales service, perform the following simple checks.

If you cannot solve the problem using the instructions below, note the model and serial number of the PDP and contact your local dealer.

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the ON or OFF button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the volume MUTE button on the remote control has been pressed.
No picture or black and white picture	◆ Adjust the color settings. ◆ Check that the video system selected is correct.
Sound and picture interference	◆ Plug your PDP into a different mains socket.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.

Care and Maintenance

◆ **Identifying Problems**

- Do not put the PDP near extremely hot, cold, humid or dusty places.
- Do not put the PDP near appliances that create magnetic fields.
- Keep the ventilation openings clear.
- Do not place the PDP on a rough and slanted surface, such as cloth or paper.

◆ **Liquids**

Do not place liquids near or on the PDP.

◆ **Cabinet**

- Never open the cabinet or touch the parts inside.
- Wipe your PDP with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

◆ **Temperature**

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

Technical Specifications

ENG

Exterior design and product specifications are subject to change without prior notice to improve the performance of this product.

This PDP applies to Class B digital device for home use.

This PDP has been registered for residential use in terms of EMI. So it can be used in all areas as well as residential areas.

*Exterior design
performance*

*This PDP applies to
Class B digital device
This PDP has been
registered for residential
use in terms of EMI.*

Dimensions (W x D x H)	PPM42S3 – 1027 x 79 x 630.5 mm ; 40.43 x 3.11 x 24.82 inches PPM50H3 – 1204.6 x 79 x 724 mm ; 47.43 x 3.11 x 28.5 inches PPM63H3 – 1503.4 x 89 x 893.8 mm ; 59.19 x 3.5 x 35.19 inches
Weight (Without stand)	PPM42S3 – 31kg PPM50H3 – 43kg PPM63H3 – 69kg
Screen aspect ratio	16:9
Screen size	PPM42S3 – 42 inch PPM50H3 – 50 inch PPM63H3 – 63 inch
Native pixel resolution (H x V)	PPM42S3 – 852 x 480 PPM50H3/PPM63H3 – 1366 x 768
Color systems	PAL, SECAM, NTSC (NT3.58/NT4.43)
Sound	Stereo, Virtual Dolby
Audio output power	10W + 10W (8Ω)
Power supply	U.S.A/Canada – AC120V~, 60Hz Other countries – AC110-240V~, 50/60Hz
Power consumption	PPM42S3 – 330 Watts PPM50H3 – 400 Watts PPM63H3 – 580 Watts
Video inputs	VIDEO IN – VIDEO/S-VIDEO COMPONENT1 IN – Y/Pb/Pr (RCA, 3P, 480i~1080i) COMPONENT2 IN – R(Pr)/G(Y)/B(Pr)/H/V (BNC, 5P, 480i~1080i) RGB1(PC1) IN – D-SUB, 15P DVI IN – DVI-D type
Monitor outputs	VIDEO OUT – VIDEO/L/R (RCA, 3P)
Audio inputs	VIDEO IN – L/R COMPONENT1 IN – L/R (RCA, 2P) AUDIO (Stereo jack for COMPONENT2, PC(RGB), and DVI input)
Audio outputs	EXT SPEAKER (8Ω) - R-/+, L-/+
External control	RS232C – IN (Stereo jack), OUT (D-SUB, 9P)

**Dimensions
(W x D x H)**

**Weight
(Without stand)**

Screen aspect ratio

Screen size

**Native pixel resolution
(H x V)**

Color systems

Sound

Audio output power

Power supply

Power consumption

Video inputs

Monitor outputs

Audio inputs

Audio output power

External control

– AFTER SALES SERVICE

- Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

