



PLASMA DISPLAY

PS42P2S

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

**REMOTE CONTROL
ON-SCREEN MENUS
PICTURE IN PICTURE
TELETEXT**

Safety Instructions

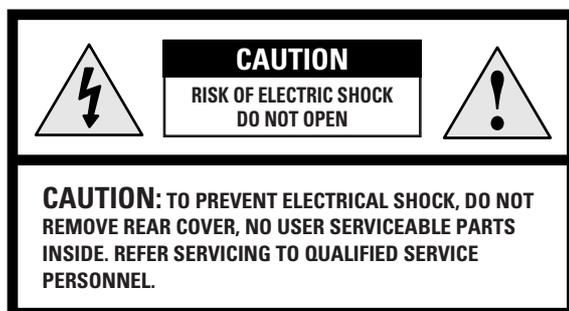
- ◆ *Do not place the PDP on an unstable cart, stand, tripod, bracket, table, or floor where it can fall.*
- ◆ *Do not expose the PDP to extreme temperature conditions or to extreme humidity conditions.*
- ◆ *Do not expose the PDP to direct sunlight and other sources of heat.*
- ◆ *Do not expose the PDP to any liquids.*
- ◆ *Never put objects of any kind into the television, and do not place a water-containing vessel on the PDP.*
- ◆ *During a storm conditions (especially when there is lightning) unplug the PDP from the mains socket and aerial.*
- ◆ *Do not step on or twist the power cord.*
- ◆ *Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.*
- ◆ *Please use a soft and dry cloth (not containing volatile matter) when you clean the PDP.*
- ◆ *If the PDP is broken, do not try to repair it yourself. Contact qualified service personnel.*
- ◆ *If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.*
- ◆ *Do not drop the remote control.*

User Instructions

- ◆ **Screen Image retention**
Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of this screen when displaying a still image.
- ◆ **Cell Defect**
The plasma display panel consists of fine cells. Although the panels are produced with more than 99.9 percent active cells, there may be some cells that do not produce light or remain lit.
- ◆ **Height**
The PDP can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height and do not install and operate there.
- ◆ **Warranty**
 - Warranty Period: One year starting from the purchase of your PDP.
 - Warranty does not cover any damage caused by image retention.
 - Burn-in is not covered by the warranty.

Caution

ENG



The lightning flash and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.



 *The main voltage is indicated on the rear of the PDP and the frequency is 50 or 60Hz.*

The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

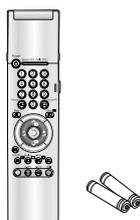


WARNING: TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Checking Parts



Owner's Instructions



Remote Control/
AAA Batteries



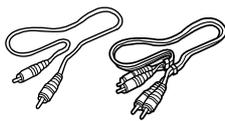
Ferrite Cores



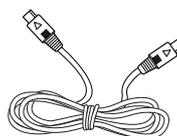
Install CD
(RS-232C)



Power Cord



AV Cables (RCA)



S-VIDEO Cable



Download Cable
(RS-232C)

Contents (continued)

◆ FOREWORD	
■ Safety Instructions	2
■ User Instructions	2
■ Caution	3
■ Checking Parts	3
◆ CONNECTING AND PREPARING YOUR DISPLAY	
■ Your New Plasma Display Panel	6
■ Remote Control Buttons	8
■ Inserting the Batteries in the Remote Control	9
■ Installing the Display on the Wall Attachment Panel	9
■ Separating the Display from the Wall Attachment Panel	12
■ Before Connecting the Display to External Equipment	12
■ Connecting Speakers	13
■ Connecting Your VCR or Cable Box	14
■ Connecting a DVD Player or Set-top Box	15
■ Switching On and Off	16
■ Viewing the Menus and Displays	16
◆ USING YOUR DISPLAY	
■ Choosing Your Language	17
■ Using the Various Setup Menus	18
– Color System / Digital NR / Auto Power ON / Panel Lock	
■ Using Automatic Picture Settings	19
■ Customizing the Picture	20
■ Freezing the Current Picture	20
■ Changing the Picture Format	21
■ Adjusting the Volume	22
■ Using Automatic Sound Settings	23
■ Customizing the Sound	23
■ Setting the Current Time	24
■ Switching On and Off Automatically	24
■ Setting the Sleep Timer	25
■ Viewing the Picture in Picture (PIP)	26
■ Displaying Informations	28
■ Viewing Pictures From External Sources	28
◆ USING THE TELETEXT FUNCTION	
■ Teletext Feature	29
■ Displaying the Teletext Information	30
■ Adjusting the Teletext Contrast	31
■ Selecting Display Options	31
■ Selecting a Teletext Page	32

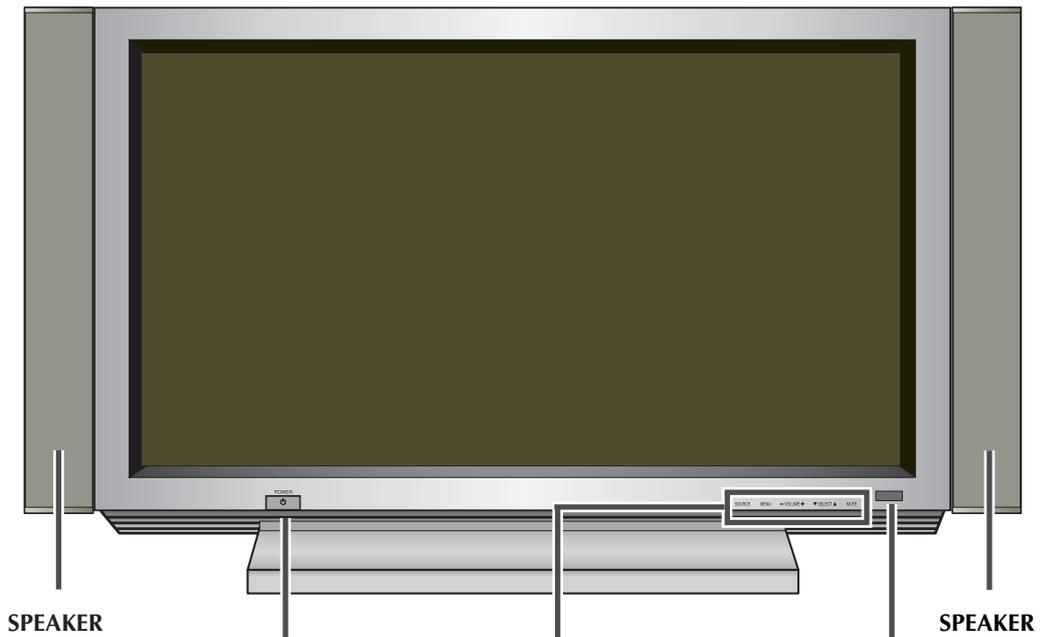
Contents

◆ CONNECTING AND OPERATING A PC	
■ Connecting a PC.....	33
■ Setting up Your Display Plug and Play	34
■ Preset Signals.....	34
■ Setting up Your PC Software.....	35
■ PC Input Mode	36
■ Controlling the Screen Color.....	38
■ Adjusting the Screen Quality	39
■ Changing the Screen Position	39
■ Initializing the Frequency, Phase, and Position	40
■ Changing the Screen Size	40
■ Enjoying the PIP Feature in PC mode	41
■ Power Saver (PC Mode Only)	41
◆ MULTIPLE DISPLAY CONTROL (MDC) FUNCTION	
■ Multiple Display Control (MDC)	42
■ Setting the Multiple Display Control (MDC)	43
■ Installing the Multiple Display Control (MDC)	43
■ Viewing the Main Screen	45
■ Confirming the Port	46
■ Changing the Port.....	46
■ Controlling the Power	47
■ Controlling the Input Source	48
■ Controlling the Aspect Ratio (Video/S-Video/Component1,2)	49
■ Controlling the Aspect Ratio (PC).....	49
■ Controlling the Time.....	50
■ Setting the Picture (Video/S-Video/Component1,2)	51
■ Setting the Picture RGB (PC)	51
■ Setting the Audio	52
■ Setting the Image Lock	52
■ Displaying the Setting Values of Various Displays	53
■ Troubleshooting	53
◆ RECOMMENDATIONS FOR USE	
■ Care and Maintenance	54
■ Troubleshooting: Before Contacting Service Personnel	54

Your New Plasma Display Panel

ENG

Front Panel



SPEAKER

POWER
Press to turn the
PDP on and off.

Remote Control Signal Receiver
Aim the remote control towards this spot on
the PDP.

SOURCE
External input selection.

MENU
Menu display.

- VOLUME +
Volume adjustment.

▼ SELECT ▲
Control the cursor in the Menu.

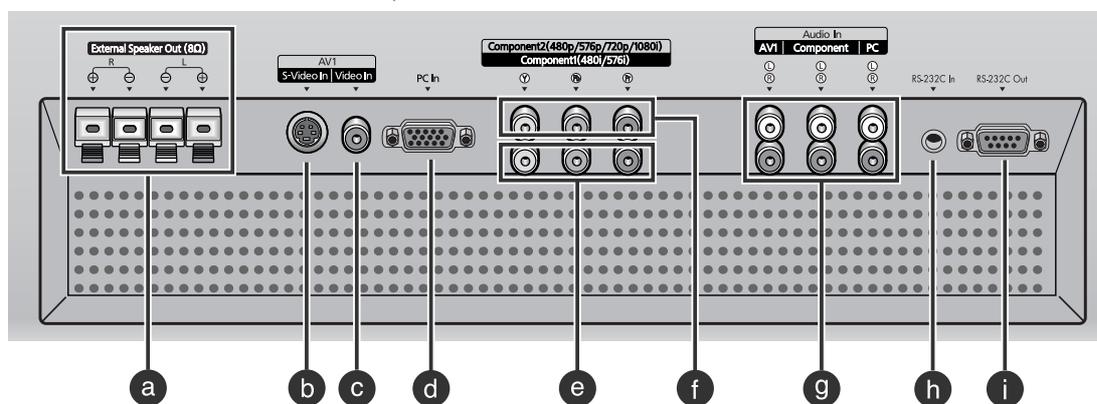
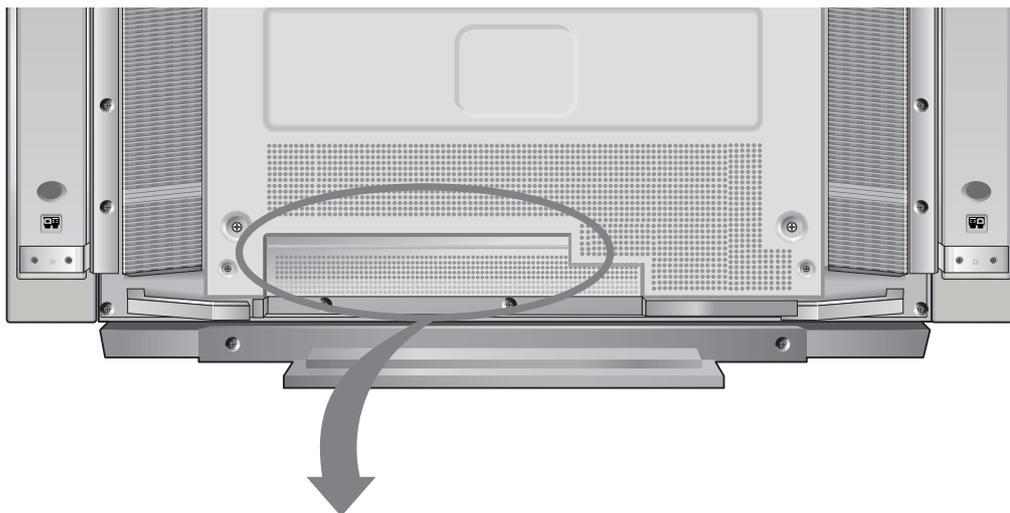
MUTE
Temporary sound switch-off.

Your New Plasma Display Panel

- The actual configuration on your PDP may be different, depending on your model.

ENG

Rear Panel

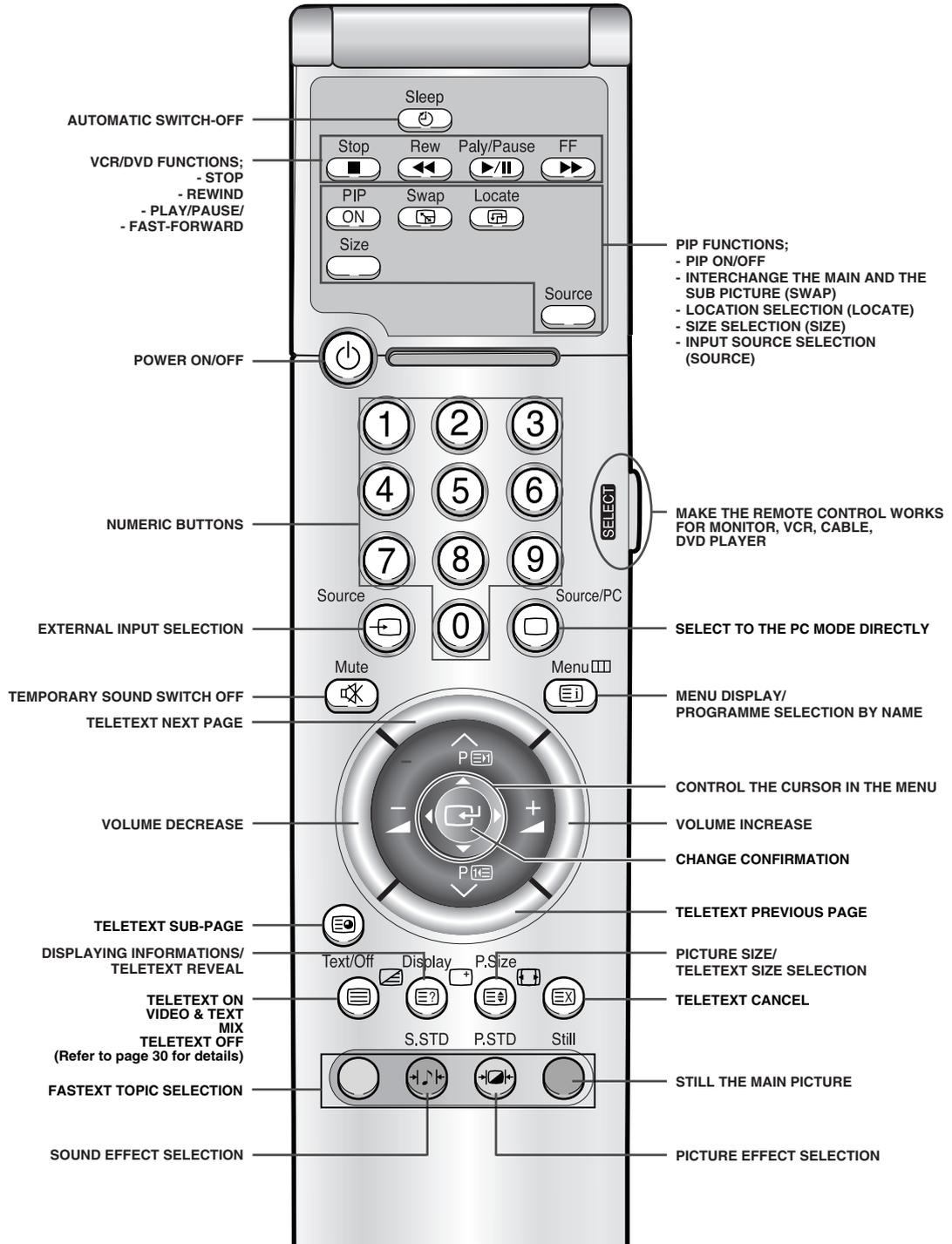


- a) External Speaker Outputs (8Ω)**
Connect external speakers.
- b) S-VIDEO Input**
Connect a S-Video signal from an S-VHS VCRs or DVD players.
- c) VIDEO Input**
Connect a video signal from external sources like VCRs or DVD players.
- d) PC Input**
Connect a PC signal from an PC.
- e) Component1 (480i/576i)**
Connect a video signal from DVD players (480i/576i).
- f) Component2 (480p/576p/720p/1080i)**
Connect a video signal from external sources like Set-top box or DVD players (480p/576p/720p/1080i).
- g) Audio Inputs**
Connect a audio signal from external sources like VCRs, DVD players, Set-top box or PC.
- h) RS-232C Input**
Connect the RS-232C output of your PC.
- i) RS-232C Output**
Connect the RS-232C input of another PDP.

Remote Control Buttons

ENG

➤ Some remote control buttons do not operate with the PDP.



➤ It is possible that the work of the transmitter is dull or not operated normally if the light of the Bulb is on around the PDP.

Inserting the Batteries in the Remote Control

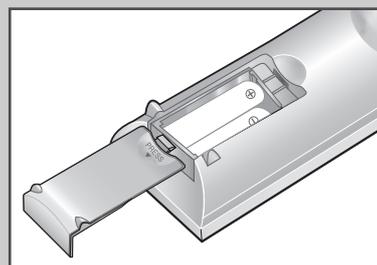
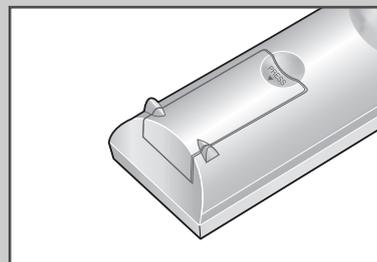
ENG

You must insert or replace the batteries in the remote control when you:

- ◆ *Purchase the PDP*
- ◆ *Find that the remote control is no longer operating correctly*

- 1 Remove the cover on the rear of the remote control by pressing the symbol downwards and then pulling firmly to remove it.
- 2 Insert two R03, UM4, "AAA" 1.5V or equivalent batteries taking care to respect the polarities:
 - ◆ + on the battery against + on the remote control
 - ◆ - on the battery against - on the remote control
- 3 Replace the cover by aligning it with the base of the remote control and pressing it back into place.

➤ Do not mix battery types, i.e. alkaline and manganese.



Installing the Display on the Wall Attachment Panel

➤ Wall attachment panel is sold separately. Check with your dealer.

Installation Notes

- ◆ Do not install the PDP on any place other than vertical walls.
- ◆ To protect the performance of the PDP and prevent troubles, avoid the followings:
 - Do not install next to smoke and fire detectors.
 - Do not install in an area subjected to vibration or high voltage.
 - Do not install in the wall.
 - Do not install near or around any heating apparatus.
- ◆ Use only recommended parts and components.

continued...

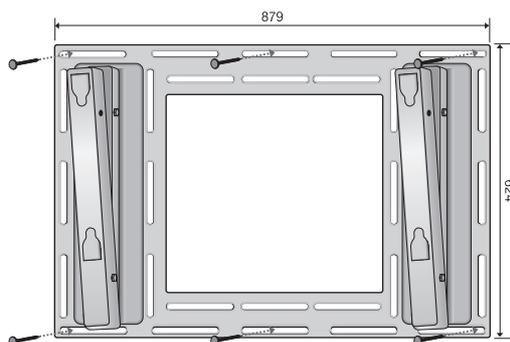
Installing the Display on the Wall Attachment Panel

ENG

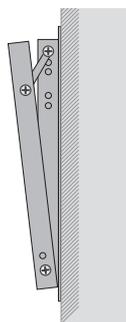
➤ Wall attachment panel is sold separately. Check with your dealer

- 1 Check for the stability of the wall where the PDP is to be installed. If the wall is not enough strong to support the PDP, strengthen the wall before installation.

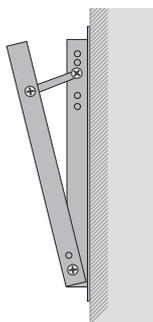
- 2 Fix the wall attachment panel on the wall using bolts as shown in the figure: Fixing bolts must protrude from the wall approx. 1.5cm.



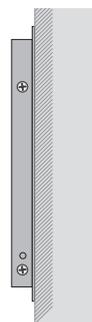
- 3 Using the wall attachment panel, you may adjust the angle of the display from 0 to 20 degrees. The angle can be set in 5 stages with 5 degrees of distance each using the angle control holes on the sides of the panel.



When the angle has been set to 5 degrees.

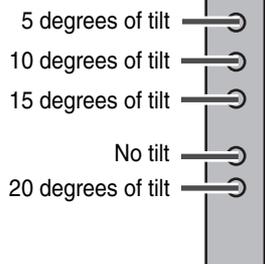


When the angle has been set to 15 degrees.



When the panel hasn't been tilted.

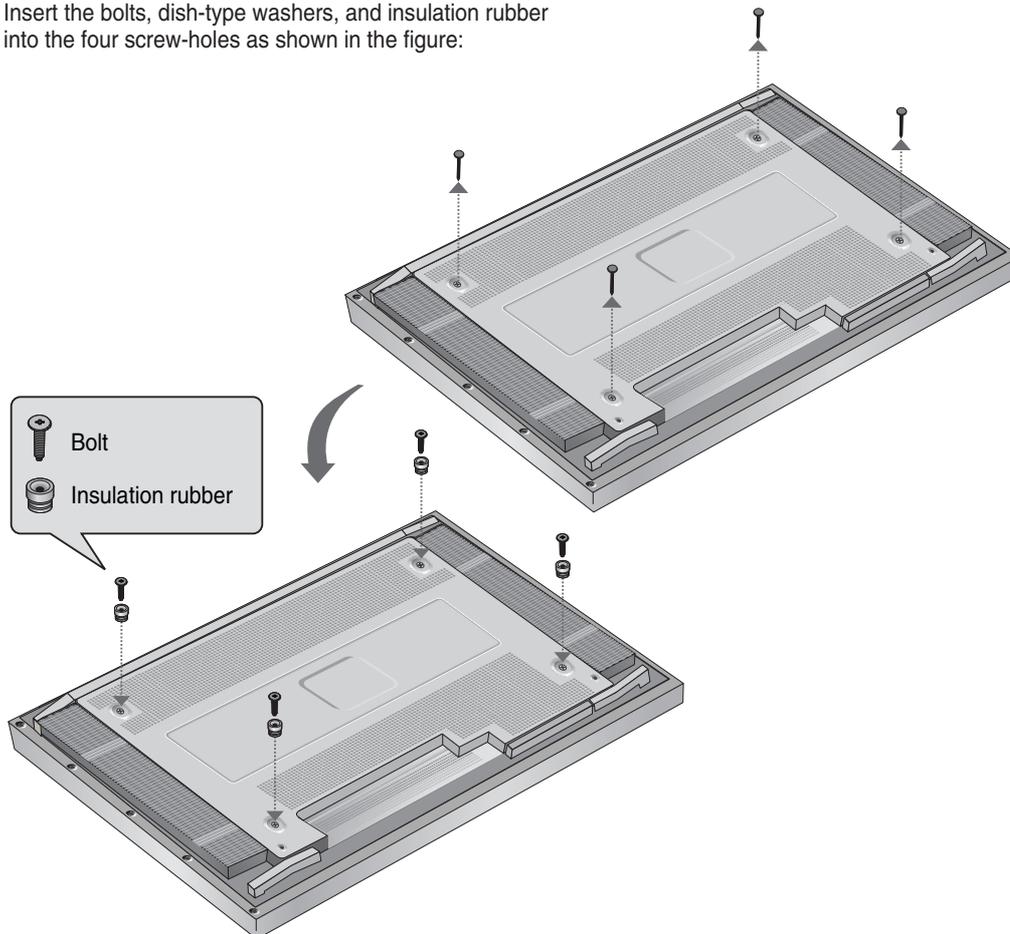
Angle control holes



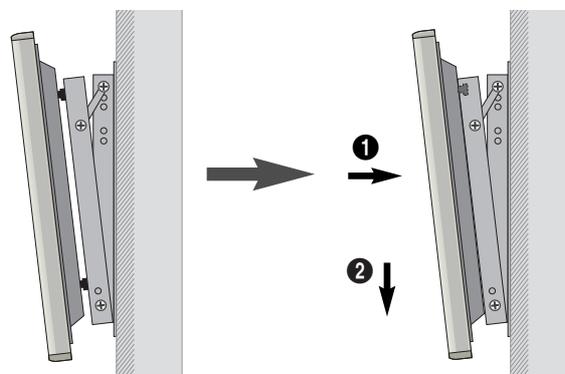
Installing the Display on the Wall Attachment Panel

ENG

- 4 Remove four large screws from the rear side of the display. Insert the bolts, dish-type washers, and insulation rubber into the four screw-holes as shown in the figure:



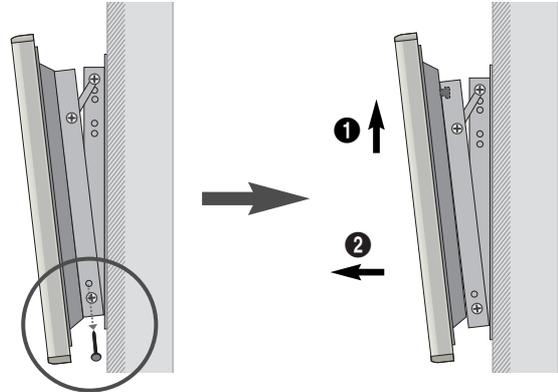
- 5 Put the insulation rubber point protruding from the rear top of the display in the groove on the top of the wall attachment panel. Lift up the display a little bit so that the insulation rubber point at the bottom of the rear side of the display is put to the groove at the bottom of the wall attachment panel. (Do not lift the display with any pressure. The insulation rubber at the top may be taken off.)



Separating the Display from the Wall Attachment Panel

Remove the fixing bolts from both sides (left and right) of the wall attachment panel. Lift and pull the bottom of the display a small amount, to separate the insulation rubber point from the bottom of the wall attachment panel.

Lift the display and separate the insulation rubber point from the groove on top of the wall attachment panel.

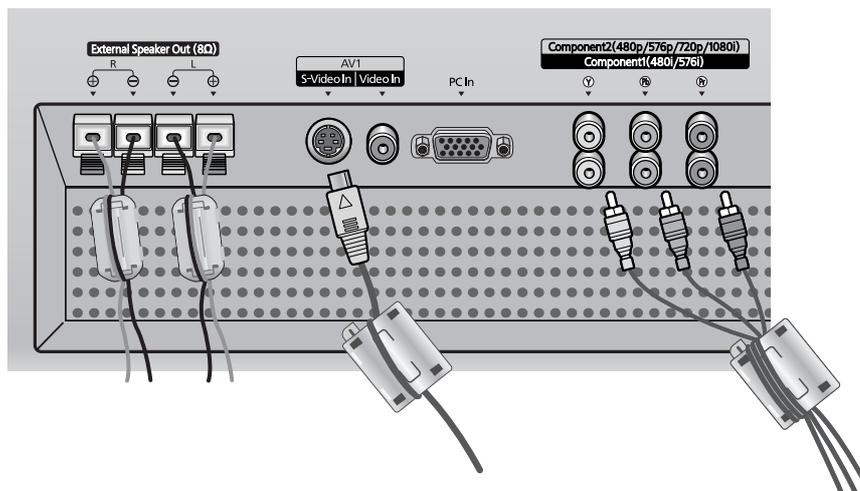


Before Connecting the Display to External Equipment

Carefully check the connectors for position and type before making any connections. Loose connectors can result in picture or color problems. Make sure that all connectors are securely inserted into their terminals.

Ferrite Cores

The ferrite cores are used to attenuate undesired signals. When connecting cables, attach one of these ferrite cores to the cable near the connector.

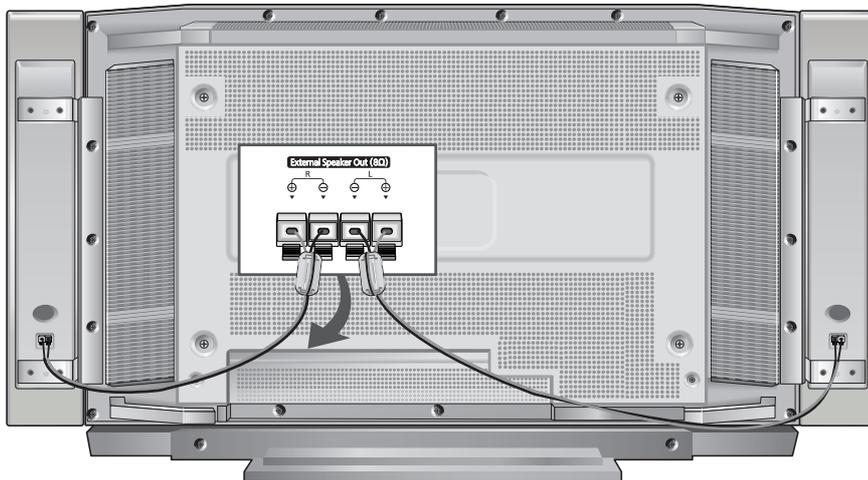


- When you connect the speaker wire, RCA cable and S-Video cable to the connectors, first bind round the ferrite core to secure it.

Connecting Speakers

ENG

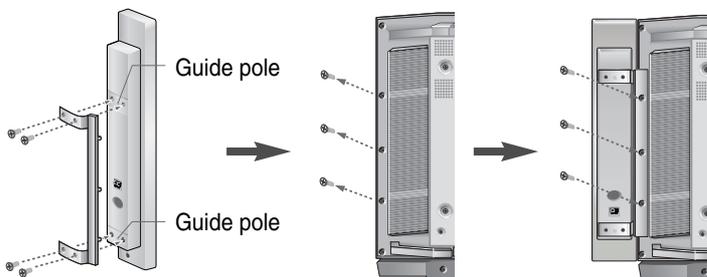
Connect the speaker audio cable to the external speaker output jack on the rear of the PDP matching the “+” and “-” ends of the cable with the diagram on the PDP.



- The speakers MUST have more than 7watts rating (impedance 8Ω).

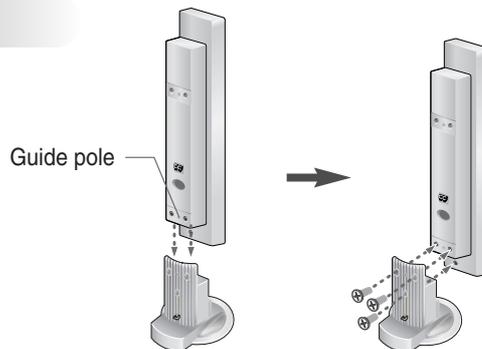
Connecting PDP and Speakers

Fix the bracket onto the guide pole located on the rear of speaker and fasten the screws. After removing the three screws on the PDP, clamp the speaker and the PDP together and fasten the screws.



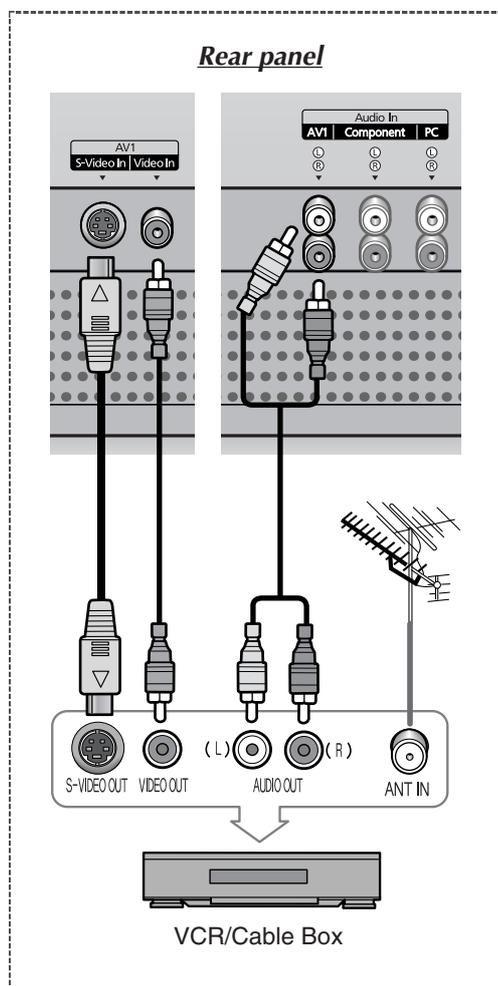
- When moving your PDP, do NOT hold the speaker connected to your PDP. It may damage the bracket clamping the speaker and your PDP together and result in a drop of your PDP and a risk of personal damage and injury.

Connecting Stand and Speakers



Connecting Your VCR or Cable Box

ENG



- ◆ **Connect a Video/S-Video cable between the Video/S-Video output jack on the VCR/Cable box and the Video input jack on the PDP.**
– For better video, you can use a S-Video cable.
- ◆ **Connect an Audio cable between the Audio output jack on the VCR/Cable box and the Audio input jack on the PDP.**

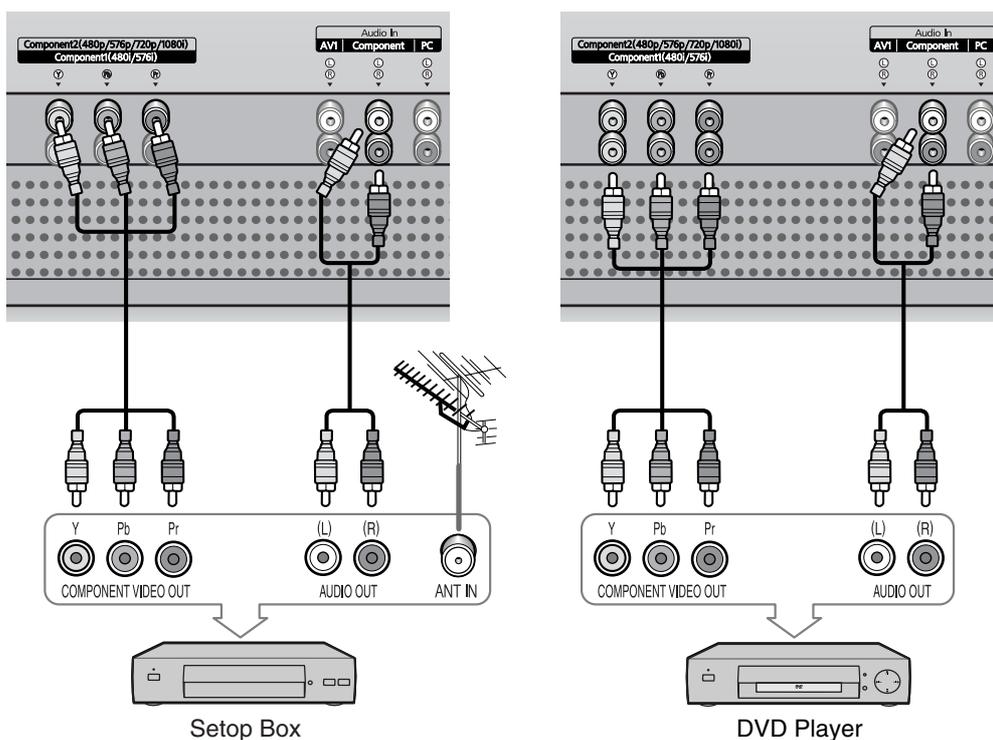
Videotape Playback

- 1 Turn on PDP and select the Video or S-Video mode (if S-Video jack is connected) by pressing the **Source** on the remote control.
- 2 Turn on your VCR, insert a videotape and press the Play button.

Connecting a DVD Player or Set-top Box

ENG

Rear panel



- ◆ *Connect a Video cable between the Component Video output jack on the Set-top Box and the Component Video input jack (Component2) on the PDP.*

- ◆ *Connect an Audio cable between the Audio output jack on the Set-top Box and the Audio input jack on the PDP.*

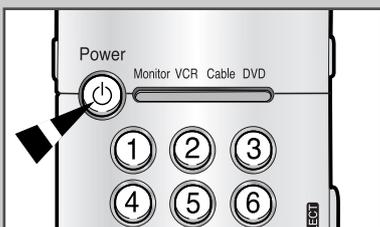
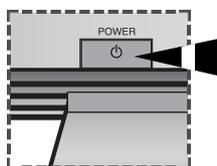
- ◆ *Connect a Video cable between the Component Video output jack on the DVD Player and the Component Video input jack (Component1 or Component2) on the PDP.*

- ◆ *Connect an Audio cable between the Audio output jack on the DVD Player and the Audio input jack on the PDP.*

Switching On and Off

ENG

Front panel

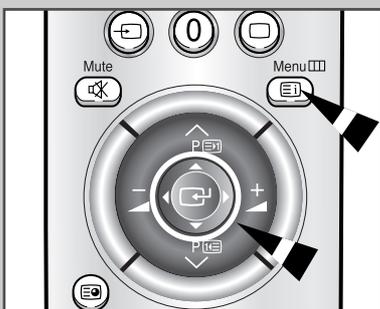


The mains lead is attached to the rear of the PDP.

- 1 Plug the mains lead into an appropriate socket.
 - The main voltage is indicated on the rear of the display and the frequency is 50 or 60Hz.
- 2 Press the **POWER** (⏻) button on the front panel or remote control to switch the display on.

➤ **If your Monitor isn't turned on when the power button is pressed...**
press the **SELECT** button to check if the Monitor mode has been chosen.

Viewing the Menus and Displays



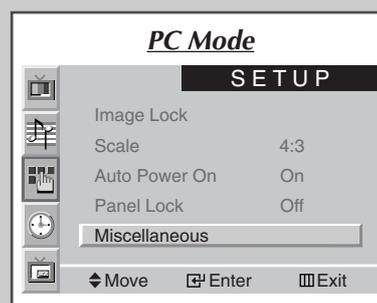
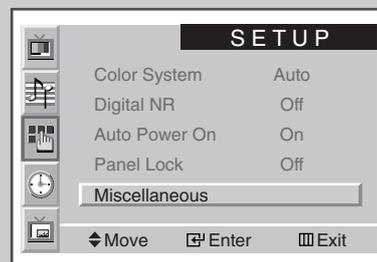
Your PDP has a simple, easy-to-use menu system that appears on the PDP screen. This system makes it convenient and fast to use features on the PDP. Your PDP also lets you display the status of many of your PDP's features.

- 1 With the power on, press the **Menu** button on the remote control. The main menu appears on the screen.
- 2 Use the joystick (up, down) button to move items in the menu. Use the joystick (left, right) button to display, change, or use the selected items. Press the joystick button to enter items in the menu. On screen menus disappear from the screen automatically after about thirty seconds, or you can press the **Menu** button on the remote control to exit the menu.

Choosing Your Language

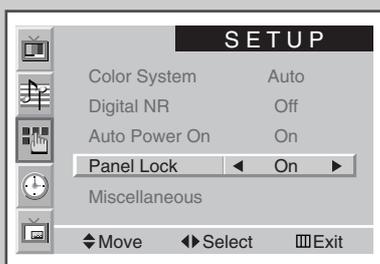
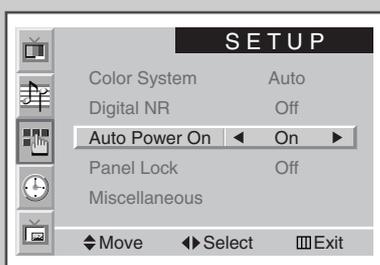
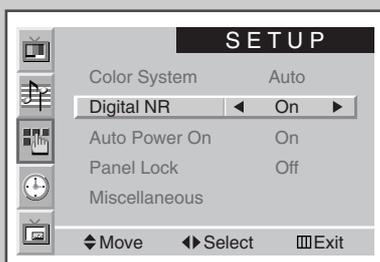
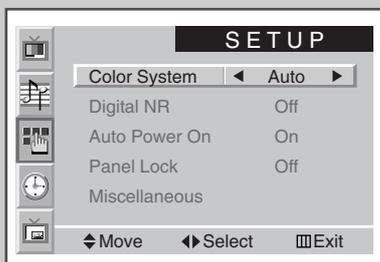
When you start using your PDP for the first time, you must select the language which will be used for displaying menus and indications.

- 1 Press the **Menu** button.
Result: The main menu is displayed.
- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.
- 3 Move the joystick up or down to select the **Miscellaneous** menu and press the joystick button.
Result: The options available in the **Miscellaneous** group are displayed with the **Language** option is selected.
- 4 Select the appropriate language by moving the joystick left or right repeatedly.



Using the Various Setup Menus

ENG



◆ Color System

You can use your PDP in many countries. Each country has its own broadcasting standard. Depending on your country, the color systems are displayed in the order given.

➤ If an abnormal phenomenon appears on the screen when **Auto** is selected, then select the color system manually.

◆ Digital NR

If the broadcast signal received is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

◆ Auto Power On

When you disconnect the power cord and re-connect it, the PDP will be powered on automatically. You don't need to press the "POWER" button on the front panel or remote control.

◆ Panel Lock

The front panel of the PDP can be locked to prevent it from being used by young children, for example.

1 Press the **Menu** button.

Result: The main menu is displayed.

2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.

3 **To...** **Move the joystick...**

Move to the each feature up or down.

Select the required option left or right.

4 When you have selected, press the **Menu** button repeatedly to return to normal viewing.

Using Automatic Picture Settings

You can select the picture effect which best corresponds to your viewing requirements. The following picture effects are available in the order given:

◆ **Custom, Standard, Sports, Movie, Mild, Dynamic.**

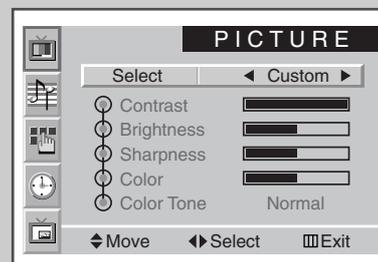
➤ In the PC mode, you can select **Custom, High, Middle** or **Low**.

- 1 Press the **Menu** button, then press the joystick button to enter the **PICTURE** menu.

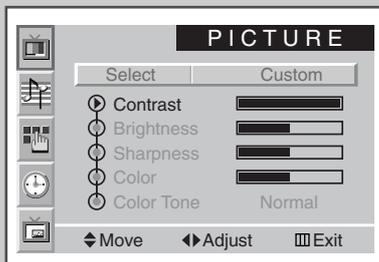
Result: The **Select** option is selected.

- 2 Select the required picture effect by moving the joystick left or right repeatedly.

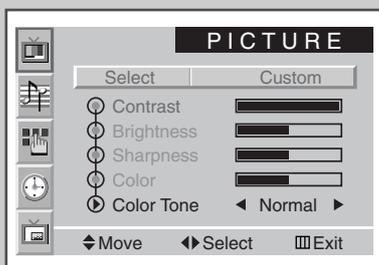
You can select the picture effect by simply pressing the “**P.STD**” (Picture Standard) button on the remote control.



Customizing the Picture



Contrast  100



Normal

Your PDP has several settings which allow you to control picture quality:

- ◆ **Contrast, Brightness, Sharpness, Color, Color Tone, Tint (NTSC only).**

➤ When the **Select** is set to **Custom**, the following settings can be adjusted.

- 1 Press the **Menu** button, then press the joystick button to enter the **PICTURE** menu.
- 2 Move the joystick up or down to select the required option.
- 3

To adjust the...	Move the joystick...
◆ Contrast	◆ left or right.
◆ Brightness	◆ <u>Result:</u> The horizontal bar is displayed.
◆ Sharpness	
◆ Color	
◆ Color Tone	◆ left or right to select the required option (Normal, Warm1, Warm2, Cool1, Cool2).
- 4 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.

-
- ◆ If you make any changes to these settings, the picture standard is automatically switched to **Custom**.
 - ◆ In the PC mode, you can't adjust the **Color** and **Color Tone**.

Freezing the Current Picture



Press the "Still" button to freeze the picture on a given frame. To return to normal viewing, press the "Still" button again.

➤ In the PIP mode, both the main and sub pictures freeze.

Changing the Picture format

ENG

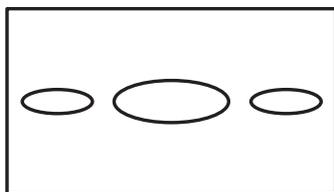
You can select the picture format which best corresponds to your viewing requirements by simply pressing the "P.Size" button. The following picture formats are available;

- ◆ Wide, Panorama, 14:9, 4:3, Zoom1, Zoom2, Stretch.



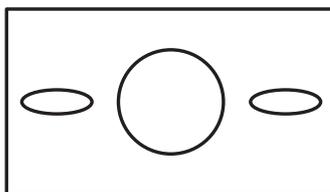
Wide

Sets the picture to 16:9 wide mode.



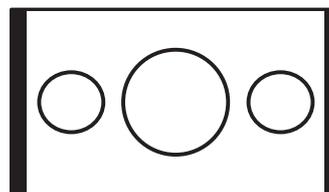
Panorama

Use this mode for the wide aspect ratio of a panoramic picture.



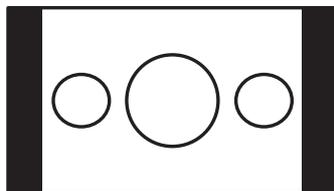
14:9

Magnify the size of the picture more than 4:3.



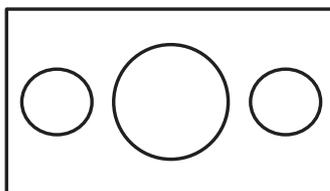
4:3

Sets the picture to 4:3 normal mode. This is a standard PDP screen size.



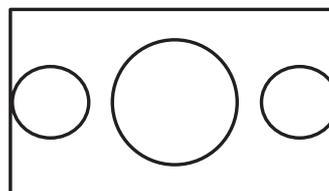
Zoom1

Magnify the size of the picture vertically on screen.



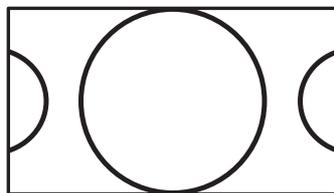
Zoom2

Magnify the size of the picture more than Zoom1.



Stretch

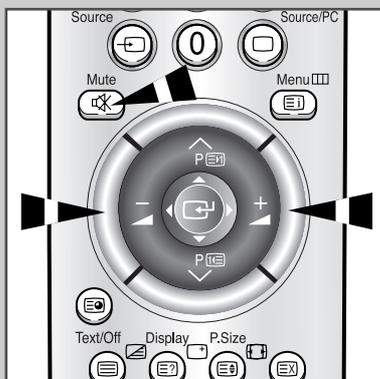
Using this mode, magnify the picture vertically and horizontally to be bigger than the picture in Zoom2.



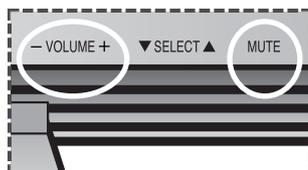
- ◆ If you watch a still image, 14:9, or 4:3 mode for a long time, image may be burned onto the screen, view the PDP in **Wide** or **Panorama** mode as possible.
- ◆ The 4:3 mode does not work with input signals from Component2 sources (Set-top box or DVD players-480p/576p/720p/1080i).

Adjusting the Volume

ENG



Front panel



- ◆ Press the + button to increase the volume (cursor moves to the right)
- ◆ Press the - button to decrease the volume (cursor moves to the left)

You can switch the sound off temporarily, for example you may wish to answer the telephone.

- 1 Press the **Mute** button.
Result: The sound is switched off and **Mute** is displayed.
- 2 When you wish to turn the sound back on at the same volume as before, press the **Mute** button again (or either of the volume buttons).

- The volume setting is retained:
- ◆ When you switch off using the **POWER** button on the front panel or remote control
 - ◆ If there is a power failure.

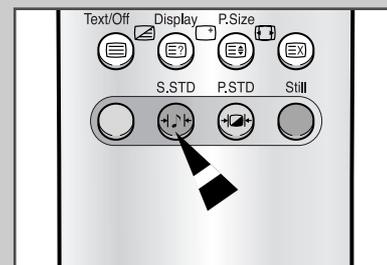
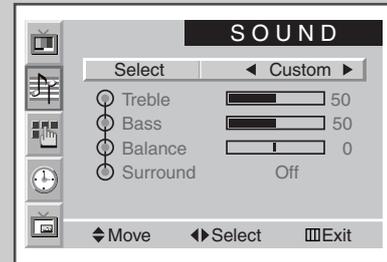
Using Automatic Sound Settings

You can select the type of special sound effect to be used when watching a given broadcast. The following sound effects are available in the order given:

- ◆ **Custom, Standard, Music, Movie, Speech.**

- 1 Press the **Menu** button.
Result: The menus available are displayed.
- 2 Move the joystick up or down to select the **SOUND** menu and press the joystick button.
Result: The **Select** option is selected.
- 3 Select the required picture effect by moving the joystick left or right repeatedly.

You can select the type of special sound effect by simply pressing the "S.STD" (Sound Standard) button on the remote control.



Customizing the Sound

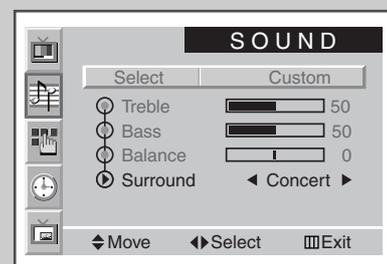
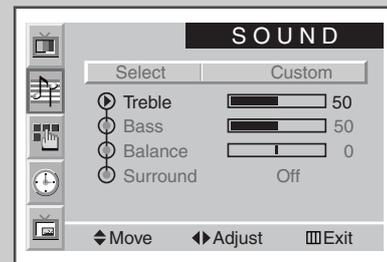
The sound settings can be adjusted to suit your personal preferences.

- ◆ **Treble, Bass, Balance, Surround.**

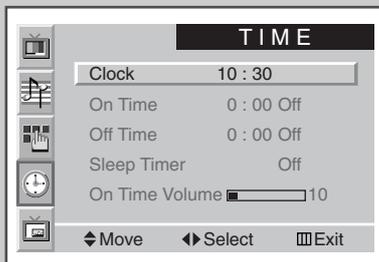
➤ When the **Select** is set to **Custom**, the following settings can be adjusted.

- 1 Press the **Menu** button.
Result: The menus available are displayed.
- 2 Move the joystick up or down to select the **SOUND** menu and press the joystick button.
- 3 Move the joystick up or down to select your required option.
- 4

To adjust the...	Move the joystick...
◆ Treble, Bass and Balance	◆ left or right.
◆ Surround	◆ left or right to select the required option (Off, Concert, Hall, Stadium).
- 5 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.



Setting the Current Time



You can set the clock so that the current time is displayed when you press the "Display" button. You must also set the time if you wish to use the automatic On/Off timers.

➤ The clock will be re-set when pressing the **POWER** button on the front panel or remote control.

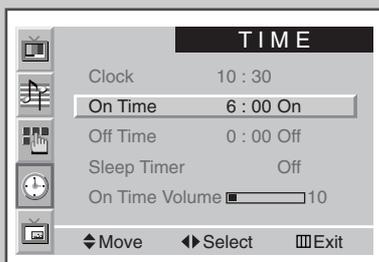
- 1 Press the **Menu** button.
Result: The menus available are displayed.

- 2 Move the joystick up or down to select the **TIME** menu and press the joystick button.
Result: The **Clock** option is selected.

- 3

To...	Move the joystick...
Move to the each option (hour and minute)	left or right.
Set the each option	up or down.

Switching On and Off Automatically



You can set the On/Off timers so that the PDP will switch On and Off automatically at the time you select.

- 1 Press the **Menu** button.
Result: The menus available are displayed.

- 2 Move the joystick up or down to select the **TIME** menu and press the joystick button.

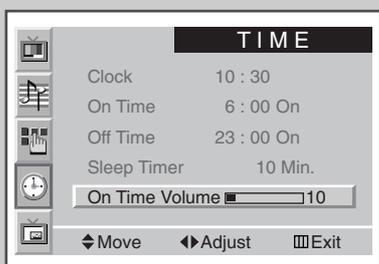
- 3 Move the joystick up or down to select the **On Time** option and press the joystick button.

- 4

To...	Move the joystick...
Move to the each option (hour, minute, and On/Off)	left or right.
Set the each option	up or down.

- 5 In the same way, set the time at which you wish to be switched Off (**Off Time**).

If you want to set the volume level when the PDP switches on, move the joystick up or down to select the **On Time Volume** and adjust the volume level by moving the joystick left or right.

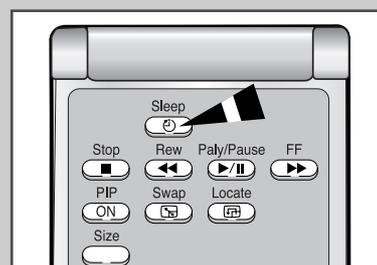
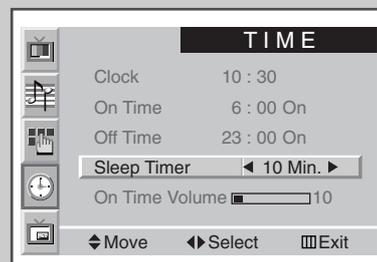


Setting the Sleep Timer

ENG

You can select a time period of between 10 and 360 minutes after which the PDP automatically switches to Standby mode.

- 1 Press the **Menu** button.
Result: The menus available are displayed.
- 2 Move the joystick up or down to select the **TIME** menu and press the joystick button.
- 3 Move the joystick up or down to select the **Sleep Timer** option and set the time interval for the PDP to stay on.
➤ To cancel the sleep timer function, select the **Off**.
- 4 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.



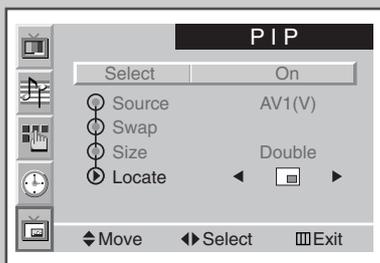
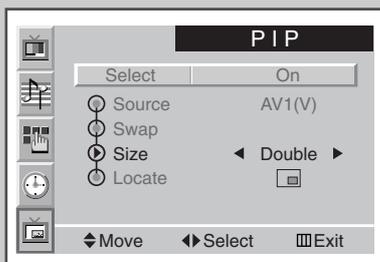
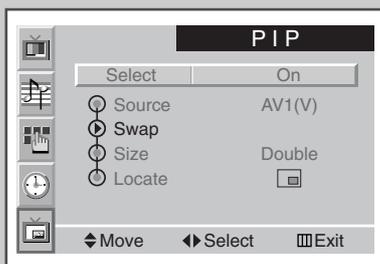
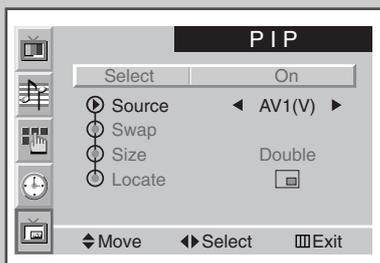
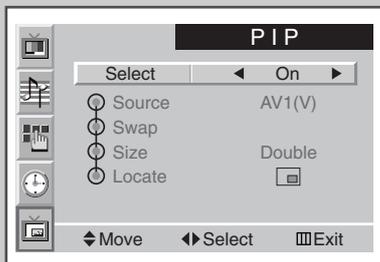
You can set the sleep timer by simply pressing the "Sleep" button on the remote control.

- 1 Press the **Sleep** button on the remote control.
Result:

If the sleep timer is...	The screen displays...
Already set	Time remaining before the PDP will be placed in standby mode.
Not yet set	Word off .

- 2 Set the time interval for the PDP to stay on.

Viewing the Picture in Picture (PIP)



You can display a "Picture-In-Picture" screen within the main picture of input sources. In this way you can monitor the input sources from any connected equipment.

➤ If you have not connected any equipment to the PDP's input jacks, you can not monitor the external sources of sub picture.

- 1 Press the **Menu** button.
Result: The menus available are displayed.

- 2 Move the joystick up or down to select the **PIP** menu and press the joystick button.
Result: The **Select** option is selected.

- 3 Set to **On** by moving the joystick left or right.
Result: The options available in the **PIP** group are displayed.

- 4 Move the joystick up or down to select the **Source** option and move the joystick left or right repeatedly.
Result: The external sources of sub picture are displayed in the following order.

AV1 (V) → AV1 (S) → Comp. 1

- 5 Move the joystick up or down to select the **Swap** option and move the joystick left or right.
Result: The main picture and sub picture are interchanged.

- 6 Move the joystick up or down to select the **Size** option and move the joystick left or right repeatedly.
Result: The types of sub picture are displayed.

Double → Large → Small

➤ ◆ In the PC mode, the size of sub picture may be different depending on the type of PC Monitor and its resolution.
 ◆ If the system is different between the main picture and the sub picture, the **Double** mode is not selected.

- 7 Move the joystick up or down to select the **Locate** option and move the joystick left or right repeatedly.
Result: You can move the sub picture where you want.
 ➤ Not available in the **Double** mode.

- 8 When you have selected, press the **Menu** button repeatedly to return to normal viewing.

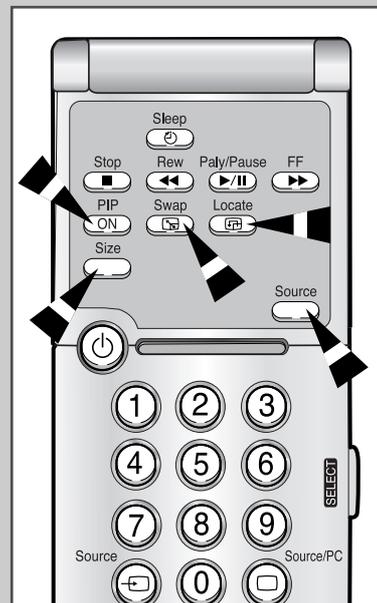
Viewing the Picture in Picture (PIP)

You can enjoy the "PIP" feature by simply using the remote control.

Features	Description
PIP ON	Used to operate On/Off function of PIP directly.
Swap	Used to interchange the main picture and the sub picture.
Locate	Used to move the sub picture. ➤ Not available in the Double mode.
Size	Used to select the type of sub picture (Double , Large , Small). ➤ If the system is different between the main picture and the sub picture, the Double mode is not selected.
Source	Used to assign a source of sub picture (AV1 (V) , AV1 (S) , Comp.1).

- If the main picture and the sub picture are different in broadcasting system, the sub picture might stop intermittently.

ENG



Teletext Feature

ENG

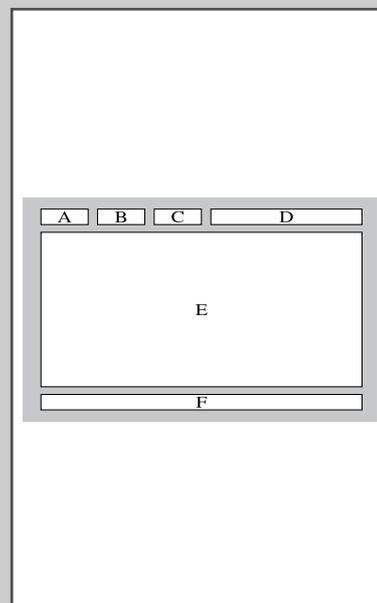
Most television channels provide written information services via teletext. Information provided includes:

- ◆ *Television programme times*
- ◆ *News bulletins and weather forecasts*
- ◆ *Sports results*
- ◆ *Travel information*

This information is divided into numbered pages (see diagram).

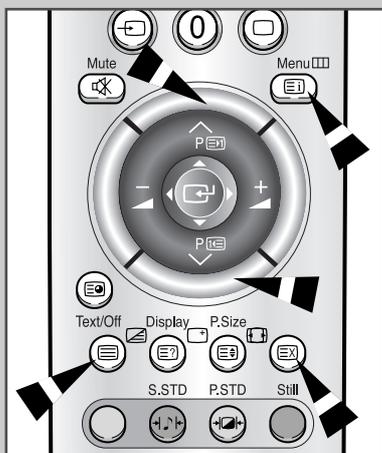
Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information. FASTEXT information.

- Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
- ◆ Entering the page number
 - ◆ Selecting a title in a list
 - ◆ Selecting a coloured heading (FASTEXT system)



Displaying the Teletext Information

ENG



You can display Teletext information at any time on your television.

- ☞ For Teletext information to be displayed correctly, channel reception must be stable; otherwise:
 - ◆ Information may be missing
 - ◆ Some pages may not be displayed

1 Press the **Text/Off** button to activate the teletext mode.

Result: The contents page is displayed. It can be redisplayed at any time by pressing the  (index) button.

2 Press the **Text/Off** button again.

Result: The screen will be split into two. This Double Teletext feature lets you view the current input source and teletext separately on the screen.

3 If you wish to display the current input source and teletext page on a single screen, press the **Text/Off** button again.

4 To exit from the teletext display, press the **Text/Off** button again.

Adjusting the Teletext Contrast

You can adjust the Contrast of Teletext display which best corresponds to your viewing requirements.

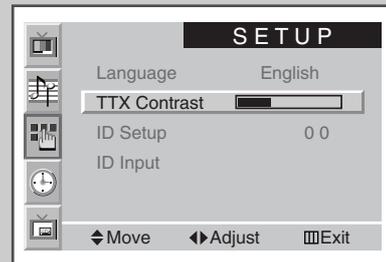
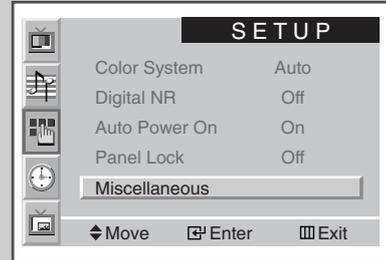
- 1 Press the **Menu** button.
Result: The main menu is displayed.

- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.

- 3 Move the joystick up or down to select the **Miscellaneous** menu and press the joystick button.
Result: The options available in the **Miscellaneous** group are displayed.

- 4 Move the joystick up or down to select the **TTX Contrast** option.

- 5 Move the joystick left or right to adjust it.
Result: The horizontal bar is displayed.



Selecting Display Options

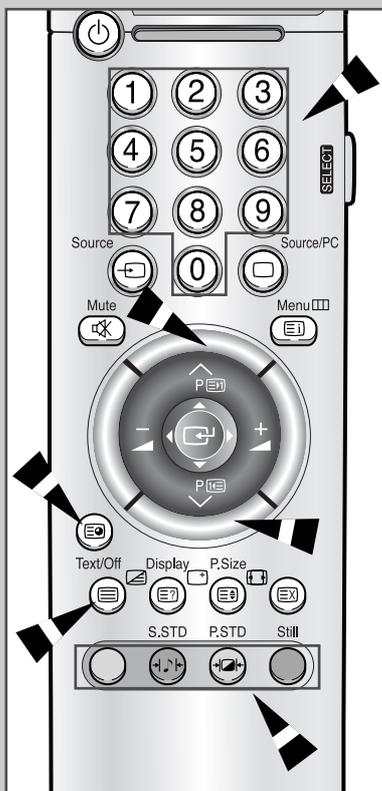
When you have displayed a Teletext page, you can select various options to suit your requirements.

To display...	Press the...
◆ Hidden text (answers to quiz games, for example)	[E?] (reveal)
◆ The normal screen	[E?] (reveal) again
◆ A secondary page by entering its number	[E0] (sub-page)
◆ The broadcast when searching for a page	[EX] (cancel)
◆ The next page	[E1] (page up)
◆ The previous page	[E2] (page down)
◆ Double-size letters in the: <ul style="list-style-type: none"> • Upper half of the screen • Lower half of the screen 	[E3] (size) <ul style="list-style-type: none"> • Once • Twice
◆ The normal screen	• Three times



Selecting a Teletext Page

ENG



You can enter the page number directly by pressing the numeric buttons on the remote control.

- 1 Enter the three-digit page number given in the content by pressing the corresponding numeric buttons.
Result: The current page number is incremented until the requested page is reached. That page is then displayed. If the selected page is linked with several secondary pages, the secondary pages are displayed in turn.
- 2 If the FASTEXT system is used by the broadcasting company, the different topics covered on a Teletext page are color-coded and can be selected by pressing the coloured buttons on the remote control.
Press the coloured button corresponding to the topic that you wish to select; the available topics are given on the status line.
Result: The page is displayed with other colored information that can be selected in the same way.
- 3 To display the previous or next page, press the corresponding coloured button.
- 4 To display the subpage, see the following steps.
 - ◆ Press the  (sub-page) button.
Result: The available subpages appear.
 - ◆ Select the required sub-page. Sub-pages can be scrolled by using the  or  button.
- 5 Press the **Text/Off** button to exit from the teletext display.

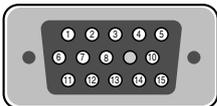
Connecting a PC

- ◆ Connect a PC cable (15pin) between the PC and PDP.
- ◆ Connect an Audio cable between the Audio output jack on the PC and the Audio input jack (PC) on the PDP.

Viewing the PC screen:

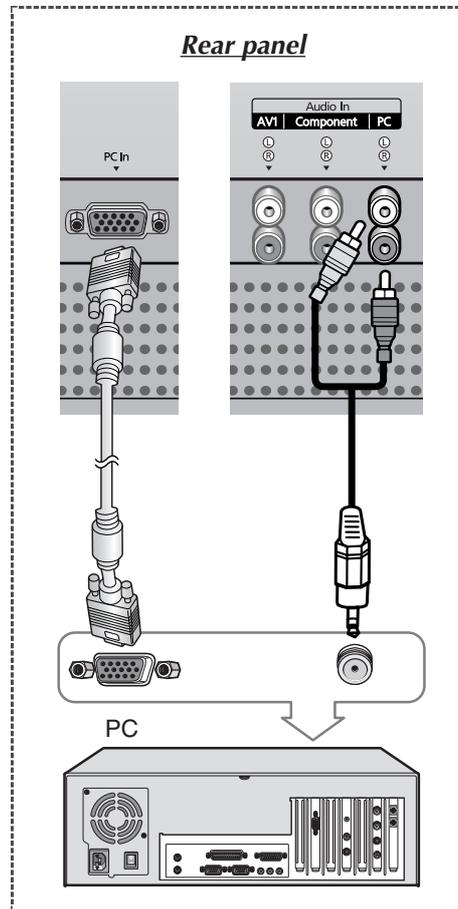
- 1 Turn on PDP and select the PC mode by pressing the **Source** (or **Source/PC**) button on the remote control.
- 2 Turn on PC and check for PC system requirements. (Refer to pages 35~37 for PC system requirements.)
- 3 Adjust the PC screen. (Refer to page 38.)

Pin Configuration



15Pin 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)



Setting up Your Display Plug and Play

ENG

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 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.

Preset Signals

Source	Video	Vertical frequency (Hz)	Horizontal frequency (kHz)	Resolution (Lines)
AV1 (Video) AV1 (S-Video)	NTSC3.58	60	15.704	483
	PAL	50	15.625	575
	SECAM	50	15.625	575
	NTSC4.43	60	15.734	483
	PAL-M	60	15.734	483
	PAL-N	50	15.625	575
Component 1	480/60i	60	15.734	483
	576/50i	50	15.625	575
Component 2	480/60p	60	31.469	483
	576/50p	50	31.250	575
	720/60p	60	45.000	720
	1080/50i	50	28.125	1080
	1080/60i	60	33.750	1080

- When the 576/50p signal is received, the picture might be displayed abnormally or shift, depending on the receiver or A/V component. In that case, you can try "Changing the Screen Position" on page 39. (But the screen position might be unmatched depending on the component.)

Setting up Your PC Software (Windows only)

ENG

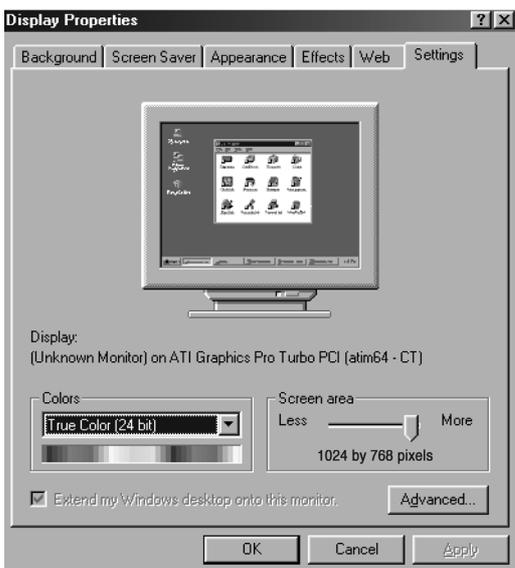
The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card.



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 PDP-PC interface are "Resolution" and "Colors". The correct settings for these two variables are:

- ◆ **Size** (sometimes called "Resolution")
1024 x 768 pixels.
- ◆ **Color**
"24-bit" color (might also be expressed as "16 million colors")
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" or "60Hz". Otherwise, just click "OK" and exit the dialog box.

PC Input Mode (42")

ENG

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 480	85.0	43.3	N	N
		75.0	37.5	N	N
		72.8	37.9	N	N
		59.9	31.5	N	N
	720 x 400	70.1	31.5	P	N
SVGA	800 x 600	85.1	53.7	P	P
		75.0	46.9	P	P
		72.2	48.1	P	P
		60.3	37.9	P	P
		56.3	35.2	P	P
XGA	1024 x 768	85.0	68.7	P	P
		75.0	60.0	P	P
		70.1	56.5	N	N
		60.0	48.3	N	N

(N: Negative / P: Positive)

- ◆ The interlace mode is not supported.
- ◆ The PDP might operate abnormally if a non-standard video format is selected.
- ◆ The 4:3 mode does not work with input signals from "720 x 400".

Notes

- ◆ **The text quality of PC screen is optimum in the VGA mode (640 x 480), the full size displayed PC mode is optimum in the SVGA mode (800 x 600).**
- ◆ When this PDP is used as a PC display, 24-bit color is supported (over 16 million colors).
- ◆ 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 PDP.
- ◆ 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 PDP, make sure that the PC screen is displayed through only the PDP monitor (Otherwise, random signals might appear).
- ◆ When horizontal synchronous signals seem irregular in PC mode, check PC power saving mode or cable connections.

PC Input Mode (50")

ENG

Standard	Dot x Line	Vertical frequency (Hz)	Horizontal frequency (kHz)	Vertical polarity	Horizontal polarity	
VGA	640 x 350	70.086	31.469	N	P	
		85.080	37.861	N	P	
	640 x 400	85.080	37.861	P	N	
		720 x 400	70.087	31.469	P	N
	640 x 480	720 x 400	85.039	37.927	P	N
			59.940	31.469	N	N
		640 x 480	72.809	37.861	N	N
			75.000	37.500	N	N
W-VGA	848 x 480	85.008	43.269	N	N	
		60.000	29.838	P	N	
		72.000	35.156	P	N	
		75.000	36.072	P	N	
SVGA	800 x 600	85.000	37.650	P	N	
		56.250	42.925	N/P	N/P	
		60.317	37.879	P	P	
		72.188	48.077	P	P	
		75.000	46.875	P	P	
XGA	1024 x 768	85.061	53.674	P	P	
		60.004	48.363	N	N	
		70.069	56.476	N	N	
		75.029	60.023	P	P	
	1152 x 864	84.997	68.677	P	P	
W-XGA	1280 x 768	75.000	67.500	P	P	
		60.000	47.700	P	N	
SXGA	1280 x 1024	75.000	60.150	P	N	
		60.020	63.981	P	P	
WXGA+	1366 x 768	75.025	79.976	P	P	
		60.000	48.200	N	N	

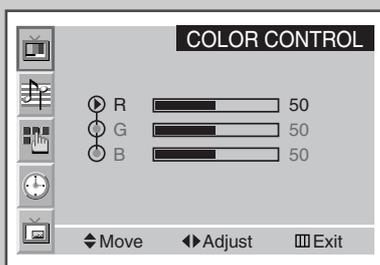
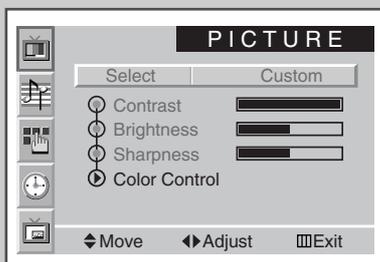
(N: Negative / P: Positive)

Notes

- ◆ The plasma panel of this monitor is composed 1366 pixels & 768 lines. That is, the best resolution is **1366 x 768**. Thus, select 1366 x 768 resolution when you control the display setting, if your video card does not support 1366 x 768 resolution, the 1024 x 768 resolution is recommended.
- ◆ The **1366 x 768** mode is only supported by a particular video card (**PIXEL PERFECT** made by **IMAGINE GRAPHICS Ltd.**).
- ◆ The 4:3 mode does work at the standard resolutions (640x480, 800x600, 1024x768, 1280x1024).

Controlling the Screen Color

ENG



➤ Preset to the PC mode by using the **Source** button.

- 1 Press the **Menu** button, then press the joystick button to enter the **PICTURE** menu.
- 2 Move the joystick up or down to select the **Color Control** menu and move the joystick left or right.
- 3

	Move the joystick...
Move to the each option (R -Red, G -Green, B -Blue)	up or down.
Adjust the each option	left or right.
- 4 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.

Adjusting the Screen Quality

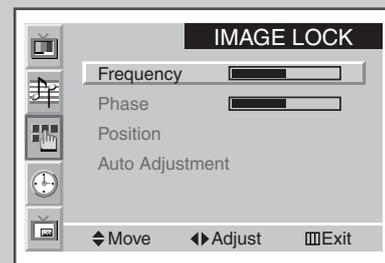
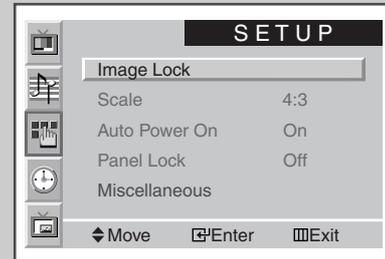
This feature is to remove or reduce picture noise, causing a tremble of screen and insecure boundary of image.

➤ Preset to the PC mode by using the **Source** button.

- 1 Press the **Menu** button.
Result: The main menu is displayed.
- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.
Result: The **Image Lock** menu is selected.
- 3 Press the joystick button again.
Result: The options available in the **IMAGE LOCK** group are displayed with the **Frequency** option is selected.
- 4

To...	Move the joystick...
Move to the Frequency or Phase option	up or down.
Adjust the each option	left or right.

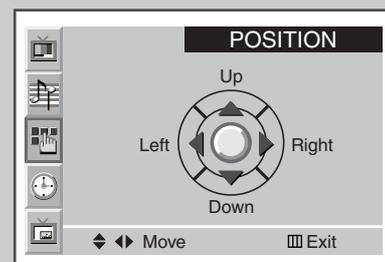
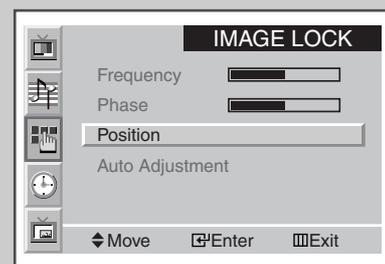
➤ If these adjustments are not set properly, vertical stripes appears or the picture may be blurry.
- 5 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.



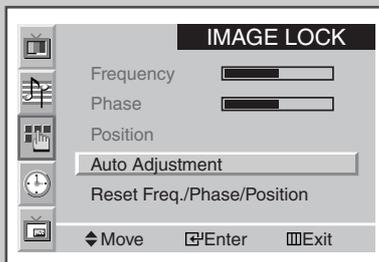
Changing the Screen Position

➤ Preset to the PC mode by using the **Source** button.

- 1 Press the **Menu** button.
Result: The main menu is displayed.
- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.
Result: The **Image Lock** menu is selected.
- 3 Press the joystick button again.
Result: The options available in the **IMAGE LOCK** group are displayed.
- 4 Move the joystick up or down to select the **Position** menu and press the joystick button.
- 5 Move the required position by using the joystick.
- 6 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.



Initializing the Frequency, Phase, and Position



➤ Preset to the PC mode by using the **Source** button.

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

- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.
Result: The **Image Lock** menu is selected.

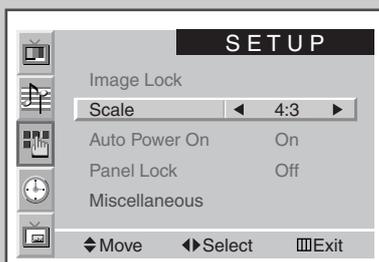
- 3 Press the joystick button again.
Result: The options available in the **IMAGE LOCK** group are displayed.

- 4 Move the joystick up or down to select the **Auto Adjustment** menu.
Result: The **Reset Freq./Phase/Position** message is displayed.

- 5 Press the joystick button again.
Result: The screen becomes black and return to original view about a few seconds later.

- 6 When you have finished, press the **Menu** button repeatedly to return to normal viewing.

Changing the Screen Size



➤ Preset to the PC mode by using the **Source** button.

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

- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.

- 3 Move the joystick up or down to select the **Scale** option.

- 4 Select the required option (**wide, 4:3**) by moving the joystick left or right repeatedly.

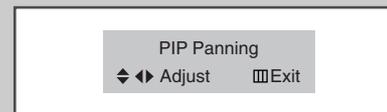
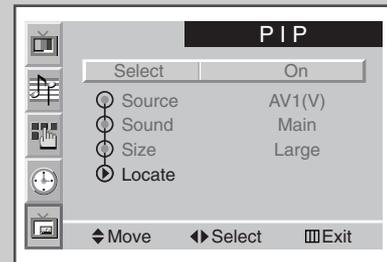
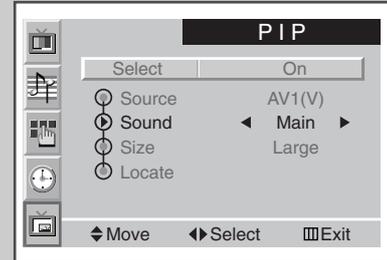
- 5 When you are satisfied with the settings, press the **Menu** button repeatedly to return to normal viewing.

Enjoying the PIP Feature in PC mode

➤ Preset to the PC mode by using the **Source** button.

- 1 Press the **Menu** button.
Result: The menus available are displayed.
- 2 Move the joystick up or down to select the **PIP** menu and press the joystick button.
Result: The **Select** option is selected.
- 3 Set to **On** by moving the joystick left or right.
Result: The options available in the **PIP** group are displayed.
- 4 Move the joystick up or down to select the **Sound** option and move the joystick left or right repeatedly.
Result: The followings are displayed. You can select your required sound of main or sub picture.
Main ↔ Sub
- 5 Move the joystick up or down to select the **Locate** option and move the sub picture where you want by using the joystick.
- 6 When you have selected, press the **Menu** button repeatedly to return to normal viewing.

-
- ◆ The size of sub picture can depend on the resolution of PC.
 - ◆ For selecting the external source and size of the sub picture, refer to page 26.



Power Saver (PC Mode Only)

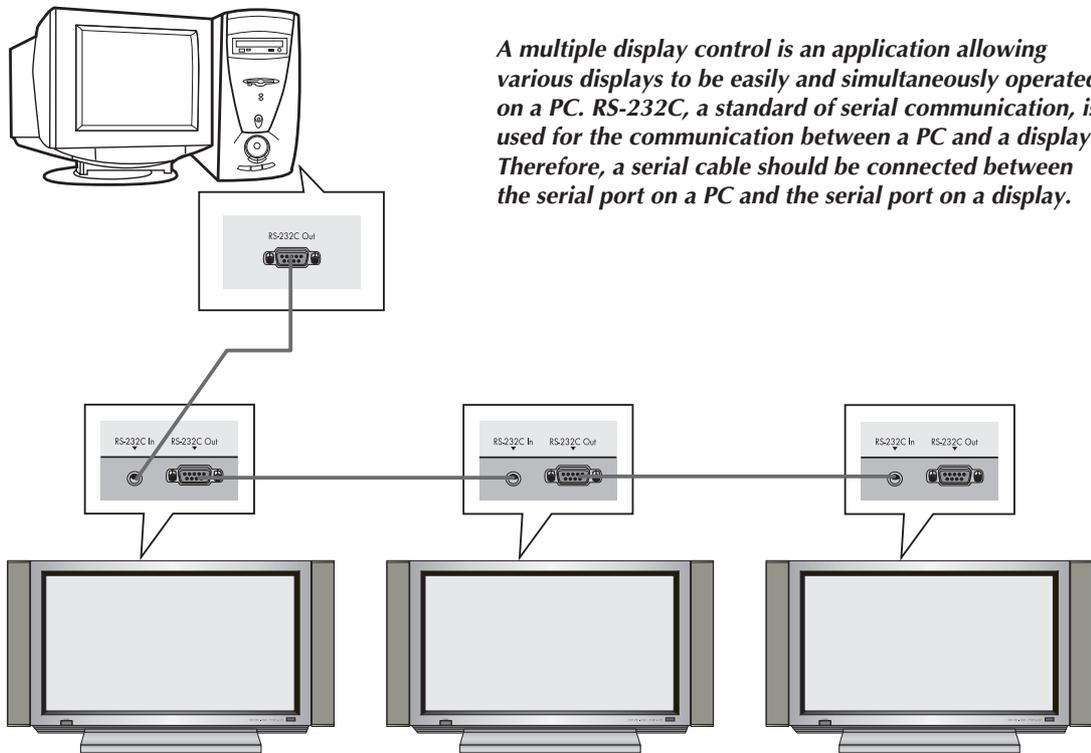
This monitor has a built-in power management system called Power Saver. This power management system saves energy by switching your monitor into a low-power mode when it has not been used for a certain amount of time. This power management system operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature.

State	Normal Operation	Power-Saving Function mode		
		Stand-by Mode	Suspend Mode Position A1	Power-Off Mode Position A2
Horizontal Sync	Active	Inactive	Active	Inactive
Vertical Sync	Active	Active	Inactive	Inactive
Video	Active	Blanked	Blanked	Blanked
Power Indicator	Green	Red Blinking (1 sec interval)	Red Blinking (1 sec interval)	Red Blinking (1 sec interval)

-
- ◆ This monitor automatically returns to normal operation when horizontal and vertical sync return.
 - ◆ This occurs when moving the computer's mouse or pressing a key on the keyboard.
 - ◆ For energy conservation, turn your monitor OFF when it is not needed, or when leaving it unattended for long periods.

Multiple Display Control (MDC)

ENG



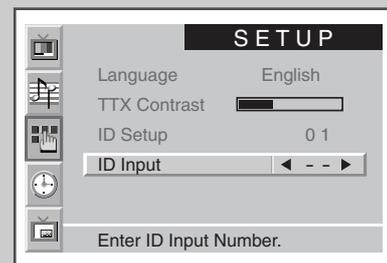
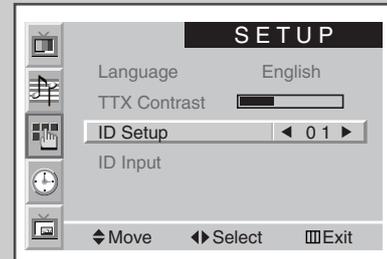
A multiple display control is an application allowing various displays to be easily and simultaneously operated on a PC. RS-232C, a standard of serial communication, is used for the communication between a PC and a display. Therefore, a serial cable should be connected between the serial port on a PC and the serial port on a display.

- ◆ Before using the RS-232C control function, confirm whether each ID of the PDPs that you want to control is set or not, and they are individual each other. If not, first set your ID number. (Refer to "Setting the Multiple Display Control (MDC)" on page 43.)
- ◆ When controlling more than four PDPs or using an extra cable, not the serial cable which is included in PDP, the MDC maybe operate abnormally.

Setting the Multiple Display Control (MDC)

- 1 Press the **Menu** button.
Result: The main menu is displayed.
- 2 Move the joystick up or down to select the **SETUP** menu and press the joystick button.
- 3 Move the joystick up or down to select the **Miscellaneous** menu and press the joystick button.
- 4 Move the joystick up or down to select the **ID Setup** option.
Enter ID setup number by using the joystick.
- 5 Move the joystick up or down to select the **ID Input** option.
Enter ID setup 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.



Installing the Multiple Display Control (MDC) (continued)

Computer Requirements (Recommended)

- ◆ OS : Windows 95, 98, ME, 2000, XP Home, XP Professional.
- ◆ CPU : Pentium II
- ◆ RAM : 64M
- ◆ VGA : 800 X 600, 256 Color
- ◆ CD-ROM : 4X
- ◆ Communication Port : RS-232C Compatible Serial Male Type 9Pin (COM1).
If RS-232C port on your PC is 25-pin type, you should use the 25-pin to 9-pin male converter.

- The proper operation of this product will not be guaranteed when users operate this program in other models.

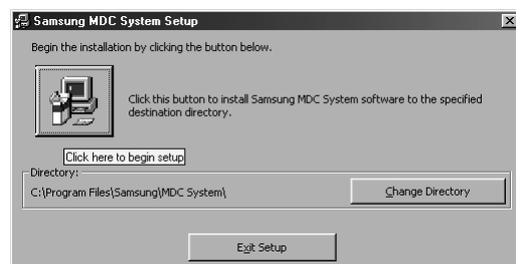
Installing the Multiple Display Control (MDC)

ENG

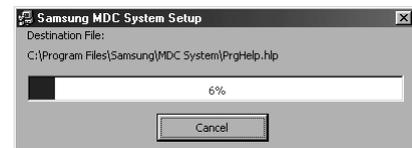
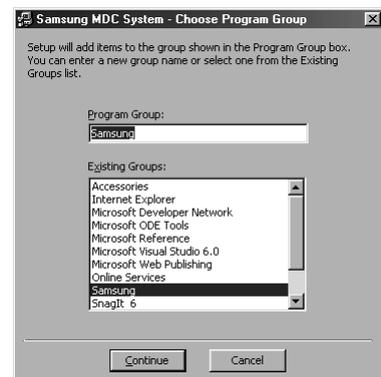
- 1 Click the **setup.exe** file in CD-ROM, and the following screen appears and then the basic files for setup are copied.



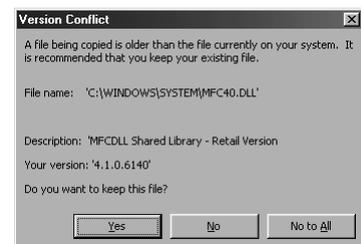
- 2 Select the program installation folder of your choice and click on the button to begin setup.



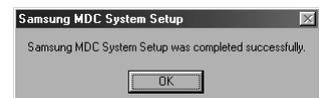
- 3 Select the program group of your choice and click the **Continue** to continue installation.



- 4 If you see the message **Version Conflict** during installation, this means that the version of the program is not compatible to the existing program library in your system. Ignore the message and click on **Yes**.



- 5 You can run the program once installation is complete.

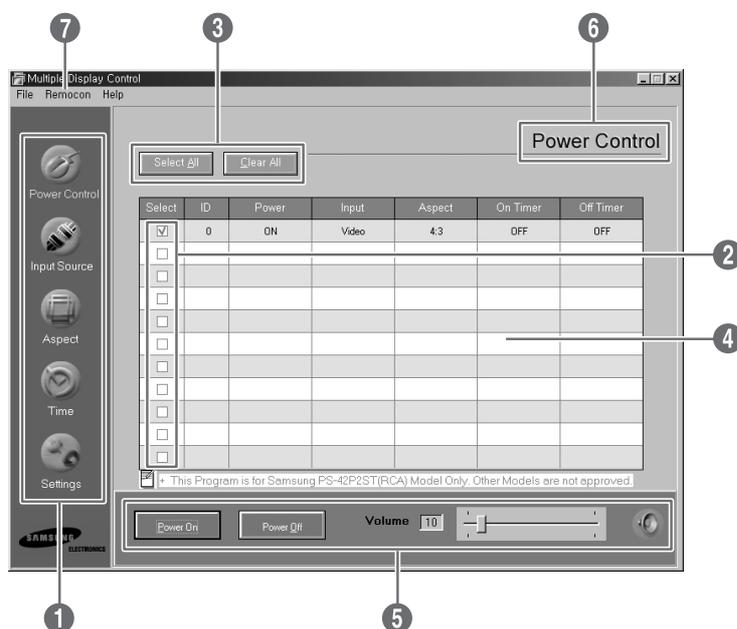


Viewing the Main Screen

ENG

The program starts operating when entering the following sequence: Start → Program → Multiple Display Control.

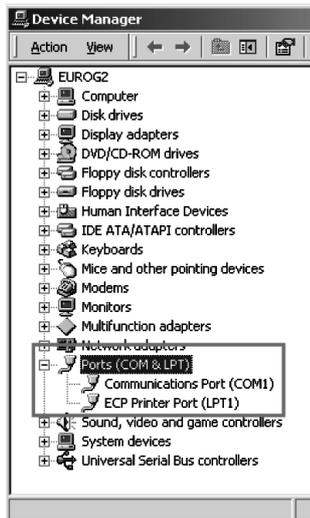
- The remote control Enable/Disable function operates whether or not the power is On/Off. This applies to all the displays connected to the MDC. However, regardless of the status in which the MDC was shut down, the remote control signal receiving function of all the displays is initialized to Enable when the MDC is closed.



Descriptions

- 1 Main icons** : Click the main icons to switch into each screen.
- 2 Display selection** : Select a display from Display Selection by marking '✓'.
- 3 Select button** : Click Select All, Clear All to select or clear all displays.
- 4 Info grid** : Use Info Grid to see the brief information of selected display.
- 5 Control tools** : Use Control Tools to control displays.
- 6 Title** : The current title to be controlled is displayed.
- 7 Remote control** : It allows you to enable or disable the remote control signal receiving function of the display unit.

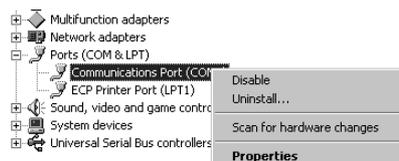
Confirming the Port



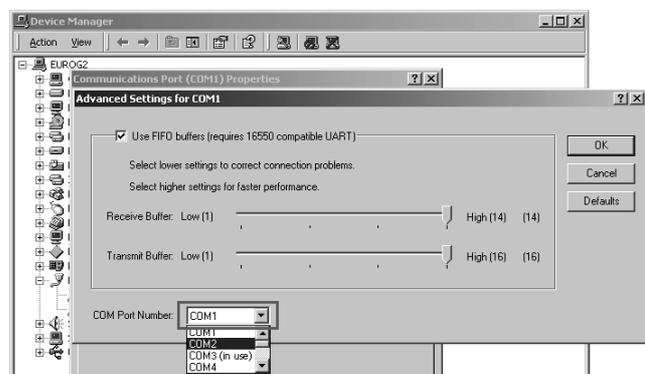
- ◆ *The Multiple Display Control uses only “COM1”. This control operates with neither “COM2” nor another port.*
- ◆ *To check which port is installed, enter “Control Panel → System → Device Manager → Ports”.*
- ◆ *If another port is installed except the “COM1” port, you can change to “COM1” from the “Device Manager” if you’re using Windows 2000 or XP (please refer to the following chapter). For all other operating systems, the change may be made from your PC BIOS Setup.*
- ◆ *Use the Exit menu to end the program. The Help menu shows how to use the program and general information about the program.*

Changing the Port

- ◆ *The Multiple Display Control uses only “COM1”. This control operates with neither “COM2” nor another port.*
- ◆ *You can change the port to “COM1” in Windows 2000 or XP. For all other operating systems, the change may be made from your PC BIOS Setup.*
- ◆ *Enter “Control Panel → System → Device Manager → Ports”. And then click the right of mouse to enter “Properties → Port Settings Tab → Advanced”.*
- ◆ *Select “COM1”.*



Click the right of mouse!



Select COM1!

Controlling the Power

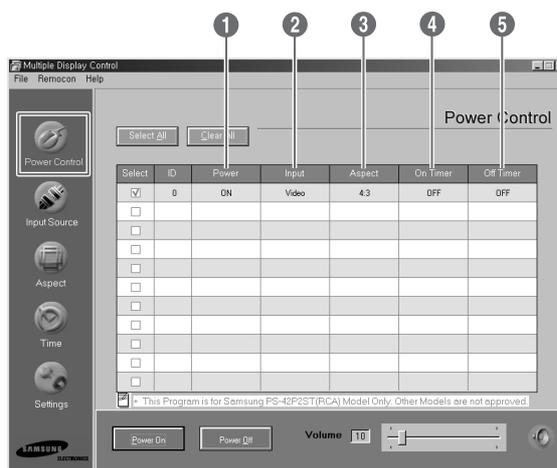
- The Power Control function is available for all the displays are connected.

ENG

Click "Power Control" of the main icons and the Power Control screen appears.

Info Grid shows some basic information necessary to Power Control.

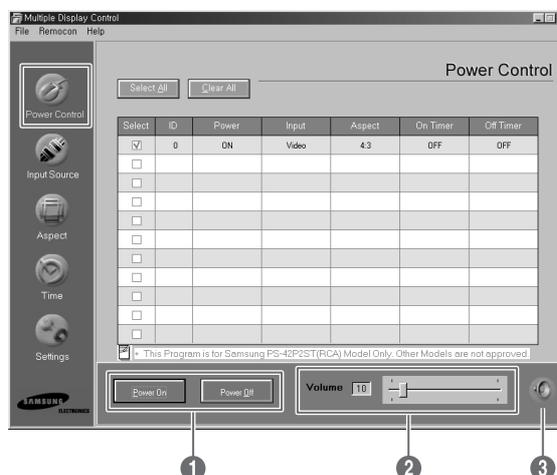
- ❶ Power Status
- ❷ Input Source
- ❸ Aspect Ratio
- ❹ On Timer Status
- ❺ Off Timer Status



Click "Select All" or mark '✓' in the check box to select the display you want to control.

Power Control can control some functions of the '✓' marked display.

- ❶ **Power On/Off**
 - Turns On/Off the power of the selected display.
 - Turns on each set at one second interval to prevent the power overload that might occur when many sets turn on at the same time.
- ❷ **Volume Control**
 - Controls the volume of the selected display.
 - It receives the volume value of the selected display from the sets and displays it in the slider. (When you release the selection or choose Select All, the value will return to default 10.)
- ❸ **Mute On/Off**
 - Turns On/Off the mute of the selected display.
 - When selecting one set at a time, if the selected set is already set on MUTE, you must mark the MUTE display. (if you undo the selections or choose **Select All**, the values are returned to default settings).



- The Volume and Mute functions are available for only the displays are powered ON.

Controlling the Input Source

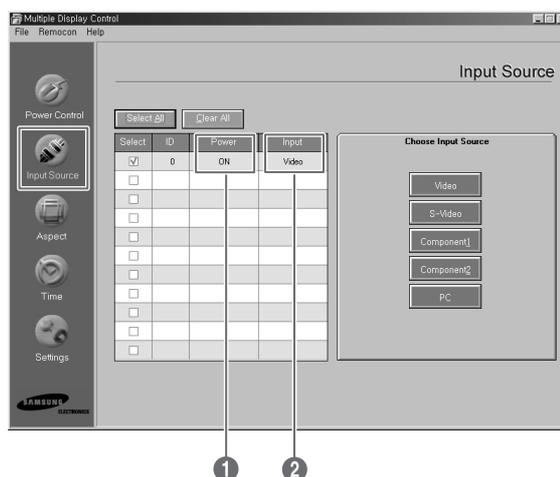
The Input Source control function is available for only the displays are powered On.

ENG

Click "Input Source" of the main icons and the Input Source control screen appears.

Info Grid shows some basic information necessary to Input Source control.

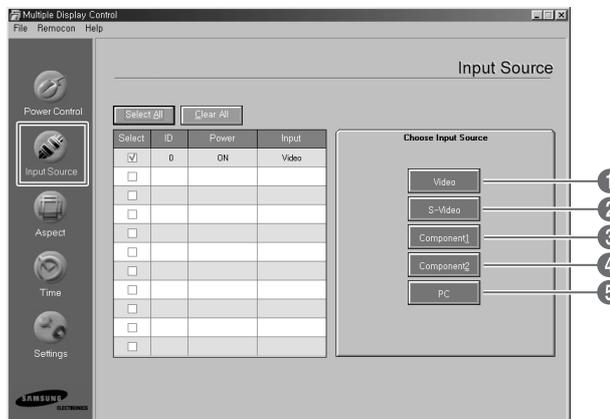
- ❶ **Power** : Shows the power status of the current display.
- ❷ **Input** : Shows what Input Source is used for the current display.



Click "Select All" or mark '✓' in the check box to select the display you want to control.

Input Source can control some functions of the '✓' marked display.

- ❶ **Video** : Switches the input source of the selected display into Video.
- ❷ **S-Video** : Switches the input source of the selected display into S-Video.
- ❸ **Component1** : Switches the input source of the selected display into Component1.
- ❹ **Component2** : Switches the input source of the selected display into Component2.
- ❺ **PC** : Switches the input source of the selected display into PC.



Controlling the Aspect Ratio (Video/S-Video/Component1,2)

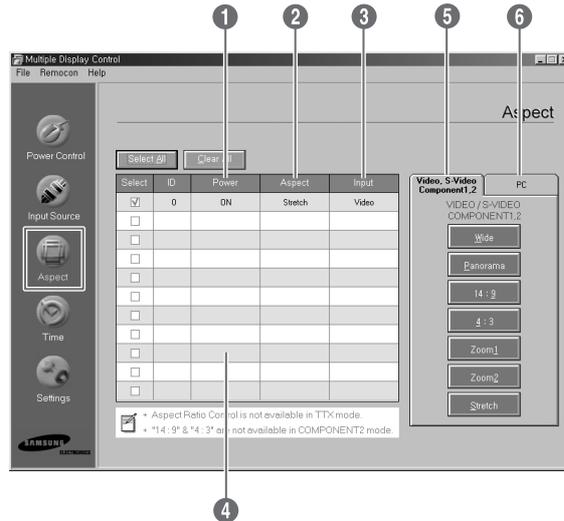
The Aspect Ratio control function is available for only the displays are powered On.

➤ This function doesn't operate in TTX mode.

Click Aspect of the main icons and the Aspect Ratio control screen appears.

Info Grid shows some basic information necessary to Aspect Ratio control.

- ➊ **Power** : Shows the status of power of the current display.
- ➋ **Aspect** : Shows which aspect ratio the current display has.
- ➌ **Input** : Shows which input source the current display has.
- ➍ Info Grid displays only the display having Video, S-Video, Component1, or 2 input source.
- ➎ When clicking Aspect Ratio, the **"Video, S-Video, Component1,2"** tab first shows.
 - The Aspect Ratio control button controls Aspect Ratio available for Video, S-Video, Component1, or 2.
- ➏ Click the PC tab to control Aspect Ratio related to PC.



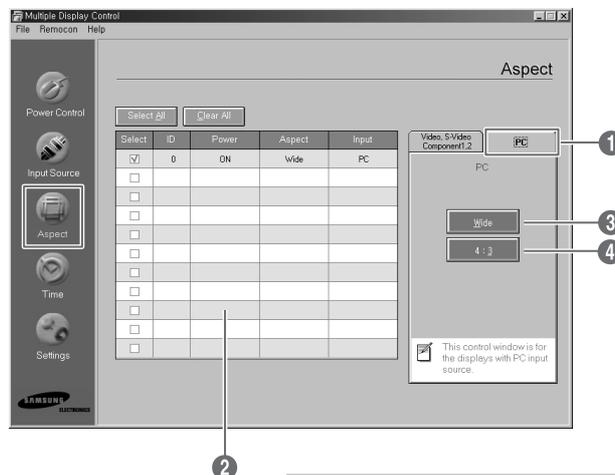
➤ "14:9" and "4:3" aspects are not selected in Component2 mode.

Controlling the Aspect Ratio (PC)

Click "Select All" or mark '✓' in the check box to select the display you want to control.

Info Grid shows some basic information necessary to the Aspect Ratio control.

- ➊ Click the PC tab to control Aspect Ratio related to PC.
- ➋ Info Grid displays only the display having a PC input source.
- ➌ Click **Wide** to switch the aspect ratio of the selected display into Wide.
- ➍ Click **4:3** to switch the aspect ratio of the selected display into 4:3.



Controlling the Time

The Time control function is available for only the displays are powered On.

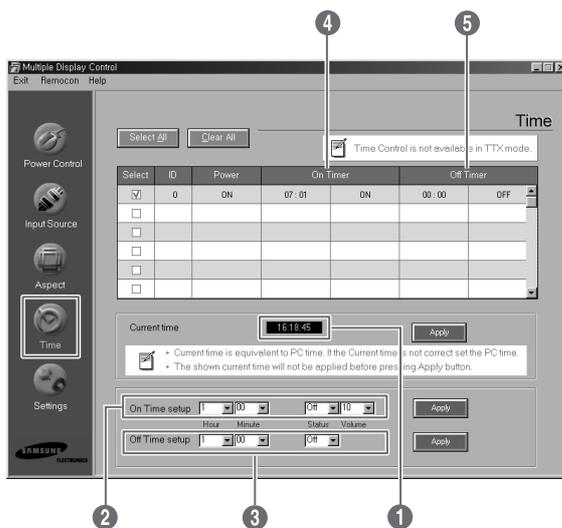
ENG

➤ This function doesn't operate in TTX mode.

Click "Time" of the main icons and the Time control screen appears.

Info Grid shows some basic information necessary to the Time control.

- 1 Current Time** : Set the current time of the selected display. To change the current Time, first change the PC Time.
- 2 On Time Setup** : Set the hour, minute of On Time, volume of the selected display.
- 3 Off Time Setup** : Set the hour, minute of Off Time of the selected display.
- 4** Time control screen shows power On time in On timer, power On time in off timer, and the presence of use, etc.
- 5** Time control screen shows power Off time in Off timer, power Off time in off timer, and the presence of use, etc.



Setting the Picture (Video/S-Video/Component1,2)

You can only control Displays for which the Power Status is ON. If you have not selected a setup the value displayed will be the Factory Default Value.

➤ This function doesn't operate in TTX mode.

Click "Settings" of the main icons and the Settings control screen appears.

Info Grid shows some basic information necessary to the Settings control.

When each of functions is selected, the set value of the selected function is displayed on the screen.

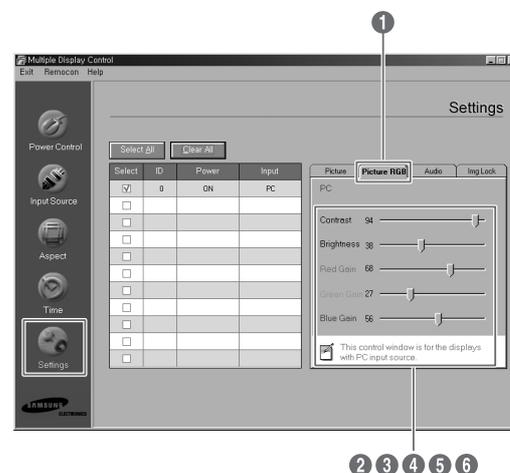
When **Select All** is selected, the default value returns. If you change this value in this screen, it switches to **CUSTOM** in Picture setting mode automatically.

- ❶ **Picture** : Control the picture having the Video, S-Video, Component1, or 2 input source.
- ❷ **Contrast** : Adjusts the contrast of the selected display.
- ❸ **Brightness** : Adjusts the brightness of the selected display.
- ❹ **Sharpness** : Adjusts the sharpness of the selected display.
- ❺ **Color** : Adjusts the color of the selected display.
- ❻ **Tint** : Adjusts the tint of the selected display. (NTSC Only)
- ❼ **Color Tone** : Adjusts the color tone of the selected display. (PAL Only)



Setting the Picture RGB (PC)

- ❶ **Picture RGB** : Controls the picture having the PC input source.
- ❷ **Contrast** : Adjusts the contrast of the selected display.
- ❸ **Brightness** : Adjusts the brightness of the selected display.
- ❹ **Red Gain** : Adjusts the red gain of the selected display.
- ❺ **Green Gain** : Adjusts the green gain of the selected display.
- ❻ **Blue Gain** : Adjusts the blue gain of the selected display.



Setting the Audio

You can only control Displays for which the Power Status is ON. If you have not selected a setup the value displayed will be the Factory Default Value.

➤ This function doesn't operate in TTX mode.

Click "Settings" of the main icons and the Settings control screen appears.

Info Grid shows some basic information necessary to the Settings control. When each of unction is selected, the set value of the selected function is displayed on the screen. When **Select All** is selected, the default value returns. If you change this value in this screen, it switches to **CUSTOM** in Picture setting mode automatically.

- ❶ **Audio** : Control the audio of all input sources.
- ❷ **Treble** : Adjusts the treble of the selected display.
- ❸ **Bass** : Adjusts the bass of the selected display.
- ❹ **Balance** : Adjusts the balance of the selected display.



Setting the Image Lock

The Setting control function is available for only the displays are powered On.

Click "Settings" of the main icons and the Settings control screen appears.

Info Grid shows some basic information necessary to the Settings control.

- ❶ **Image Lock** : Controls the image lock of PC input source.
- ❷ **Frequency** : Adjusts the frequency of the selected display.
- ❸ **Phase** : Adjusts the phase of the selected display.
- ❹ **Position** : Adjusts the position of the selected display.
- ❺ **Auto Adjustment** : Adjusts the picture automatically.



Displaying the Setting Values of Various Displays

- ◆ *No selection: It displays the factory default value.*
- ◆ *Select one display: It receives and displays the setting value for the selected one display.*
- ◆ *When you have already selected one display (ID1) and add to select another display (ID3): The program, which have displayed the settings value of ID1, receives and displays the value of ID3.*
- ◆ *Select all sets at once by using "Select All": It returns to the factory default value.*

Troubleshooting

- ❶ The display you want to control doesn't appear on the power control info grid.
 - Check RS-232C MUST be connected to the **COM1** port.
 - Check the displays which have the same Set ID among the connected displays. If so, the displays are not appeared properly in the program.
 - Check the set ID number is within 0 to 10. (You can adjust the set ID number on the menus of your display.)
 - The display Set ID should be set to between 0 and 10. If not, the value would be out of the range in MDC system so that the display cannot be controlled. It is ensured that this program can operate the maximum of 4 displays at the same time. It may operate 4 to 10 displays simultaneously but not guarantee proper operation in this model.
- ❷ The display you want to control doesn't appear on the other control info grids.
 - Check the display is powered ON. (You can check on the power control info grid.)
 - Check the input source of the display you want to control can be controlled.
- ❸ The dialogue box appears repeatedly.



- Check the display you want to control is marked.
- ❹ Both On Timer and Off Timer functions have been set, but a different time is applied.
 - Apply the current time to set the time of each display equal.
 - ❺ The remote control may not function properly if you disconnect the RS-232C cable or exit from the programs in an irregular manner even with the remote control function is OFF.
 - Rerun program and turn the remote control function ON to restore normal functions.
 - ❻ This program might malfunction because of a communicational control between PC and Display or electromagnetic waves from peripherals.
 - ❼ For further information, contact an authorized Samsung service center.

Care and Maintenance

ENG

With proper care, your PDP will give you many years of service. Please follow these guidelines to get the maximum performance from your PDP.

◆ 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 handle 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.

Troubleshooting

ENG

Before contacting Service Personnel, 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.

Problem	Possible Solution
Poor picture.	◆ Check all wire connections.
The power indicator is amber blinking.	◆ The monitor is using its power management system. Check the power management utility on your computer.
Your remote control does not operate the monitor.	◆ Press the SELECT button to put your remote control in the Monitor mode.
The monitor won't turn on.	◆ Make sure the wall outlet is working.
There is no screen image.	◆ 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 Picture settings.
The image is too large or too small.	◆ Adjust the Size settings.

– 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.

