



# PDP DISPLAY

## quick start guide

P50HP ,P50FP ,P63FP

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# Introduction

## Package Contents

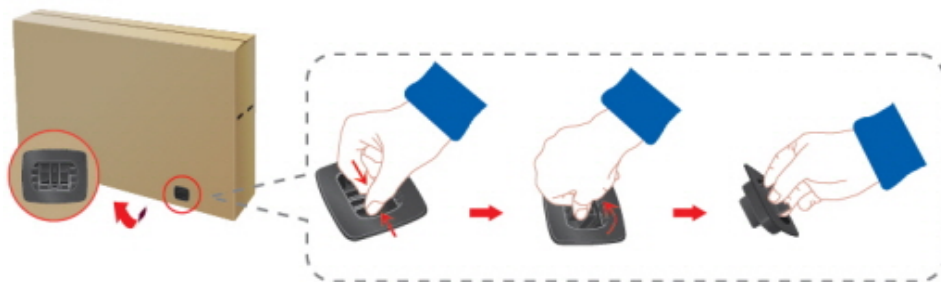


Please make sure the following items are included with your PDP Display.

If any items are missing, contact your dealer.

Contact a local dealer to buy optional items.

## Checking the Contents of the Package



Remove the lock from the package box, as shown in the figure above.



Lift up the package box by holding the grooves on both sides of the package box.

Check the contents of the package.

Remove the Styrofoam and vinyl cover.



- After unpacking the package, make sure to check the contents of the package.
- Make sure to keep the package box for transporting the product in the future.

## Unpacking



PDP Display

**Manuals**



Quick Setup Guide



Warranty Card

(Not available in all locations)



User's Guide

**Cables**



Power Cord

**Others**



Remote Control



Batteries (AAA X 2)

(Not available in all locations)



Ferrite Core for Power Cord

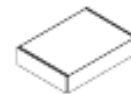
**Sold separately**



D-Sub Cable



DVI Cable



Wall Mount KIT



Semi Stand KIT



BNC Cable



BNC to RCA Adaptor Jack

(Applicable to the P50HP, P50FP model only)



To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions.

*Ferrite Core (Power Cord)*

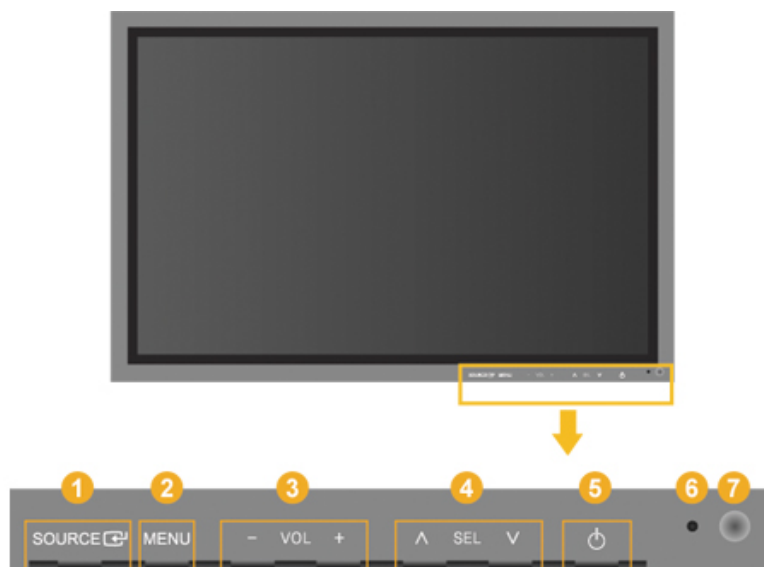
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- The ferrite cores are used to shield the cables from interference.
- When connecting a cable, open the ferrite core and clip it around the cable near the plug.

## Your PDP Display

### Front



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#### 1 SOURCE button [SOURCE]

Switches from PC mode to Video mode. Changing the source is only allowed for external devices that are connected to the PDP Display at the time.

[PC] → [DVI] → [AV] → [HDMI] → [Component] → [BNC]

Enter button [ENTER]

Activates a highlighted menu item.

#### 2 MENU button [MENU]

Opens the on-screen menu and exits from the menu. Also use to exit the OSD menu or return to the previous menu.

#### 3 - VOL+

Moves from one menu item to another horizontally or adjusts selected menu values. When OSD is not on the screen, push the button to adjust volume.

#### 4 ^ SEL v

Moves from one menu item to another vertically or adjusts selected menu values.

/ When OSD is not on the screen, push the button to adjust channel.

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5 *Power button* [⏻]

Use this button for turning the PDP Display on and off.

6 *Power indicator*

Shows PowerSaver mode by blinking green

 **Note**

See PowerSaver described in the manual for further information regarding power saving functions. For energy conservation, turn your PDP Display OFF when it is not needed or when leaving it unattended for long periods.

7 *Remote Control Sensor*

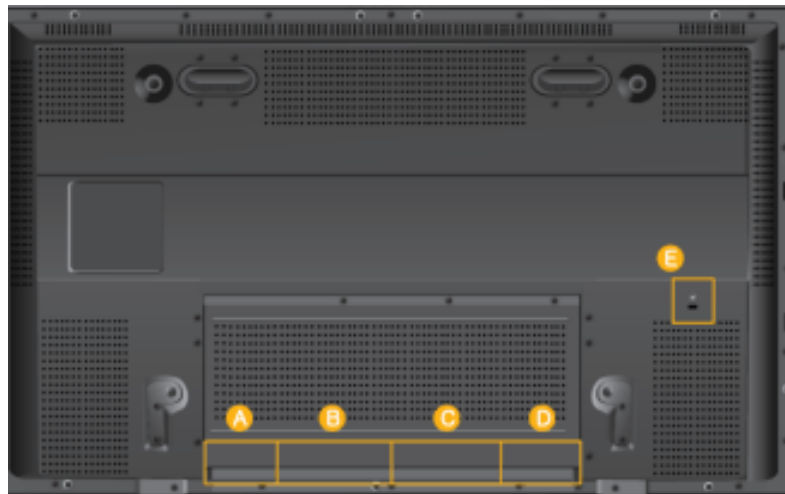
Aim the remote control towards this spot on the PDP Display.

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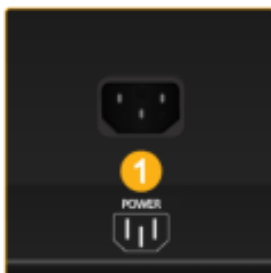
**Rear**

 **Note**

For detailed information concerning cable connections, refer to Connecting Cables under Setup. The PDP Display 's configuration at the back may vary slightly depending on the PDP Display model.



A



1 *POWER IN*

The power cord plugs into the PDP Display and the wall plug.

B



2 *RS232C OUT/IN (RS232C Serial PORT)*

MDC(Multiple Display Control) Program Port

3 *RGB IN (PC Video Connection Terminal)*

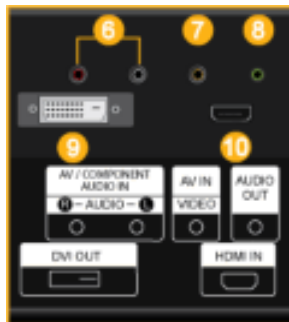
Using a D-Sub Cable (15 pin D-Sub) - PC mode (Analog PC)

4 *DVI IN (PC Video Connection Terminal)*

Using a DVI Cable (DVI-D to DVI-D) - DVI mode (Digital PC)

5 *DVI / PC / HDMI IN [DVI/PC/HDMI AUDIO IN] (PC/DVI/HDMI Audio Connection Terminal (Input))*

C



6 *AV / COMPONENT AUDIO IN [L-AUDIO - R]*

Connect the port of the DVD, VCR (DVD / DTV Set-Top Box) to the [ L- AUDIO - R ] port of the PDP Display.

7 *AV IN [VIDEO]*

Connect the [ VIDEO ] terminal of your monitor to the video output terminal of the external device using a VIDEO cable.

8 *AUDIO OUT*

Headphone output terminal.

9 *DVI OUT*

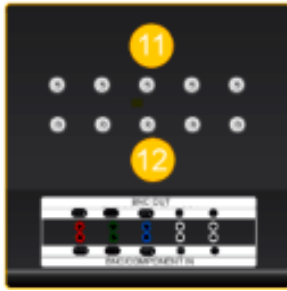
Connect a monitor to another monitor through a DVI cable.

Can connect up to 10 PDP display units.

10 *HDMI IN*

Connect the HDMI terminal at the back of your PDP Display to the HDMI terminal of your digital output device using a HDMI cable.

D



### 11 BNC OUT [R/PR, G/Y, B/PB, H, V]

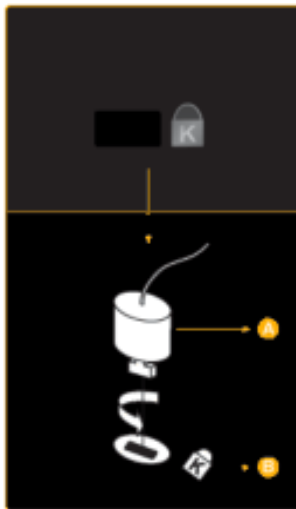
(BNC Terminal (Output))

BNC (Analog PC) Connection: connecting the R, G, B, H, V ports.

### 12 BNC/COMPONENT IN [R/PR, G/Y, B/PB, H, V]

(BNC/Component Connection Terminal (Input))

## E



### *Kensington Lock*

The Kensington Lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Refer to the manual provided with the Kensington Lock for proper use. The locking device has to be purchased separately.

#### Note

The location of the Kensington Lock may be different depending on its model.

## Using the Anti-Theft Kensington Lock

1. Insert the locking device into the Kensington slot on the Monitor **B** and turn it in the locking direction **A**.
2. Connect the Kensington Lock cable.
3. Fix the Kensington Lock to a desk or a heavy stationary object.

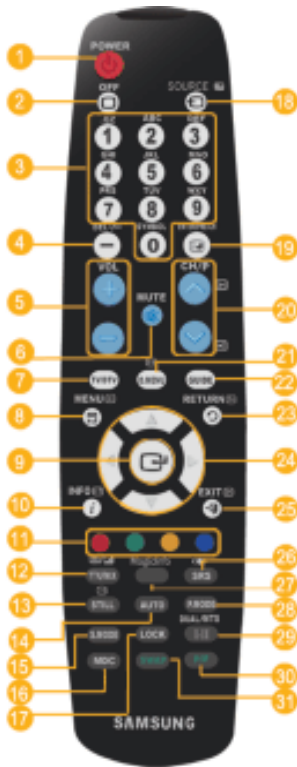
#### Note

See Connecting Cables for further information regarding cable connections.

## Remote Control

#### Note

The performance of the remote control may be affected by a TV or other electronic device operating near the PDP Display, causing a malfunction due to interference with the frequency.



- 1 POWER
- 2 OFF
- 3 Number Buttons
- 4 DEL button
- 5 + VOL -
- 6 MUTE
- 7 TV/DTV
- 8 MENU
- 9 ENTER/PRE-CH
- 10 INFO
- 11 Color Buttons
- 12 TTX/MIX
- 13 STILL
- 14 AUTO
- 15 S.MODE
- 16 MDC
- 17 LOCK
- 18 SOURCE
- 19 ENTER/PRE-CH
- 20 CH/P
- 21 D.MENU
- 22 GUIDE
- 23 RETURN
- 24 Up-Down Left-Right buttons
- 25 EXIT
- 26 SRS
- 27 MagicInfo
- 28 P.MODE
- 29 DUAL/MTS
- 30 *PIP*
- 31 *SWAP*

1. POWER

Turns the product On.

2. Off

Turns the product Off.









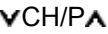
3. Number Buttons




Press to change the channel.

4. DEL button

The "-" button operates only for DTV. It is used to select MMS (multi-channel) for a DTV.



- |  |  |
|--|--|
| 5. + VOL -   | Adjusts the audio volume.  |
| 6.  MUTE            | Pauses (mutes) the audio output temporarily. This is displayed on the lower left corner of the screen. The audio resumes if MUTE or - VOL + is pressed in the Mute mode.   |
| 7. TV/DTV  | Selects the TV and DTV mode directly.  |
| 8.  MENU            | Opens the on-screen menu and exits from the menu or closes the adjustment menu.  |
| 9.                  | Activates a highlighted menu item.   |
| 10.  INFO           | Current picture information is displayed on the upper left corner of the screen.   |
| 11. Color Buttons  | Press to add or delete channels and to store channels to the favorite channel list in the "Channel List" menu.   |
| 12.  TTX/MIX        | TV channels provide written information services via teletext.<br><br>- Teletext Buttons<br>   |
|  | For more information > TTX / MIX   |
| 13. STILL  | Press the button once to freeze the screen. Press it again to unfreeze.  |
| 14. AUTO   | Adjusts the screen display automatically in <b>PC</b> mode. By changing the resolution in the control panel, auto function is performed.   |
| 15. S.MODE   | When pressing this button, the current mode is displayed at the bottom centre of the screen. The PDP Display has a built-in high fidelity stereo amplifier. Then press the button again to circle through available preconfigured modes. ( <b>Standard</b> → <b>Music</b> → <b>Movie</b> → <b>Speech</b> → <b>Custom</b> ) |
| 16. MDC  | MDC Quick Launch Button.   |
| 17. LOCK   | Activates or deactivates all function keys on both the remote control and the PDP Display except for the Power and LOCK buttons.   |
| 18.  SOURCE       | Press the button to change the input signal SOURCE.<br><br>Changing the SOURCE is only allowed for external devices that are connected to the monitor at the time.   |
| 19.  ENTER/PRE-CH | This button is used to return to the immediately previous channel.   |
| 20.  VCH/PA       | In <b>TV</b> mode, selects TV channels.  |
| 21. D.MENU   | DTV menu display   |
| 22. GUIDE  | Electronic Program Guide (EPG) display.  |

- 23.  RETURN Returns to the previous menu.
- 24. Up-Down Left-Right buttons Moves from one menu item to another horizontally, vertically or adjusts selected menu values.
- 25.  EXIT Exits from the menu screen.
- 26.  SRS Selects SRS TruSurround XT mode.
- 27. MagicInfo MagicInfo Quick Launch Button.
- 28. P.MODE When you press this button, current picture mode is displayed on the lower center of the screen.

***AV / HDMI / TV : P.MODE***

The PDP Display has four automatic picture settings that are preset at the factory. Then push button again to circle through available preconfigured modes. ( **Dynamic** → **Standard** → **Movie** → **Custom** )

***PC / DVI / MagicInfo: M/B (MagicBright)***

**MagicBright** is a feature providing the optimum viewing environment depending on the contents of the image you are watching. Then push button again to circle through available preconfigured modes. (**Entertain** → **Internet** → **Text** → **Custom** )

- 29.  DUAL/MTS

***DUAL-***

STEREO/MONO, DUAL I / DUAL II and MONO/NICAM MONO/NICAM STEREO can be operated depending on the broadcasting type by using the DUAL button on the remote control while watching TV.

***MTS-***

You can select MTS (Multichannel Television Stereo) mode.

	Audio Type	MTS/S_Mode	Default
FM Stereo	Mono	Mono	Manual Change
	Stereo	Mono ↔ Stereo	
	SAP	Mono ↔ SAP	

- 30. *PIP* Every time you press the button, a PIP screen appears.

- This function does not work for this PDP Display.

- 31. *SWAP*

Swaps the contents of the PIP and main image. The image in the PIP window will appear on the main screen, and the main screen image will appear in the PIP window.

- This function does not work for this PDP Display.

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# Connections

## Connecting a Computer



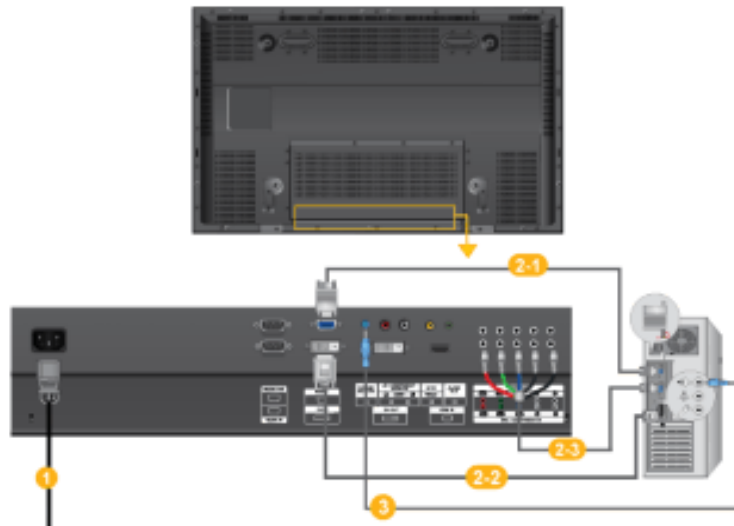
### Using a Power cord with Earth

- In the event of failure, the earth lead may cause electric shock. Make sure to wire the earth lead in correctly, before connecting the AC power. When un-wiring the earth lead, make sure to disconnect the AC power in advance.



### Note

AV input devices such as DVD players, VCRs or camcorders as well as your computer can be connected to the PDP Display. For detailed information on connecting AV input devices, refer to the contents under Adjusting Your PDP Display.



- 1 Connect the power cord for your PDP Display to the power port on the back of the PDP Display. Turn on the power switch.
- 2 There are 2 ways to connect the D-sub to your PDP Display. Choose one of the following:

**2-1** Using the D-sub (Analog) connector on the video card.

- Connect the D-sub to the 15-pin, RGB port on the back of your PDP Display and the 15 pin D-sub Port on the computer.



**2-2** Using the DVI (Digital) connector on the video card.

- Connect the DVI Cable to the DVI(HDCP) port on the back of your PDP Display and the DVI port on the computer.



**2-3** Using the BNC (Analog) connector on the video card.

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- Connect the BNC Cable to the BNC/COMPONENT IN - R, G, B, H, V ports on the back of your PDP Display and the 15 pin D-sub Port on the computer.



- 4 Connect the audio cable for your PDP Display to the audio port on the back of your computer.

 **Note**

- Turn on both your computer and the PDP Display.
- The DVI cable is optional.
- Contact a local SAMSUNG Electronics Service Center to buy optional items.

### Connecting to Other devices



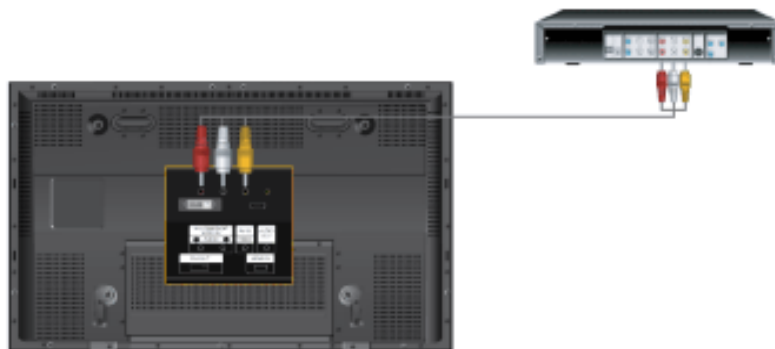
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 **Note**

AV input devices such as DVD players, VCRs or camcorders as well as your computer can be connected to the PDP Display. For detailed information on connecting AV input devices, refer to the contents under Adjusting Your PDP Display.

### Connecting AV Devices



1. Connect the port of the DVD, VCR (DVD / DTV Set-Top Box) to the [R-AUDIO-L] port of the PDP Display.
2. Then, start the DVD, VCR or Camcorders with a DVD disc or tape inserted.
3. Select **AV** using the SOURCE .

 **Note**

The PDP Display has AV connection terminals to connect AV input devices like DVDs, VCRs or Camcorders. You may enjoy AV signals as long as the PDP Display is turned on.

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## Connecting to a Camcorder

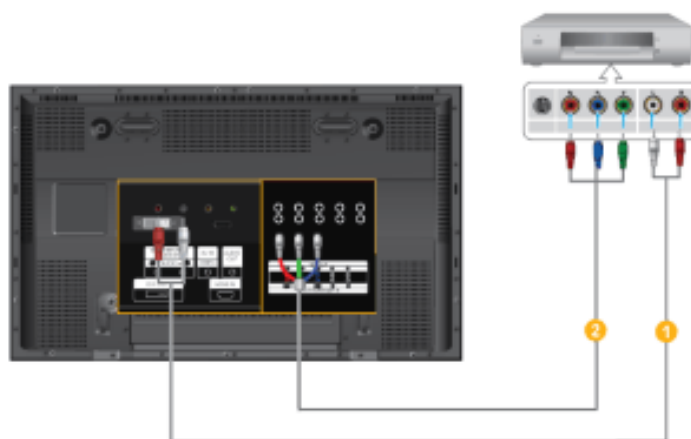


1. Locate the AV output jacks on the camcorder. They are usually found on the side or back of the camcorder. Connect a set of audio cables between the AUDIO OUTPUT jacks on the camcorder and the AV/COMPONENT AUDIO IN [L-AUDIO-R] on the PDP Display.
2. Connect a video cable between the VIDEO OUTPUT jack on the camcorder and the AV IN [VIDEO] on the PDP Display.
3. Select **AV** for the Camcorder connection using the Source button on the front of the PDP Display or on the remote control.
4. Then, start the Camcorders with a tape inserted.

 **Note**

The audio-video cables shown here are usually included with a Camcorder. (If not, check your local electronics store.) If your camcorder is stereo, you need to connect a set of two cables.

## Connecting a DVD Player



1. Connect a set of audio cables between the AV/COMPONENT AUDIO IN [L-AUDIO-R] on the PDP Display and the AUDIO OUT jacks on the DVD player.
2. Connect a Component cable between the BNC / COMPONENT IN -  $P_R$ ,  $Y$ ,  $P_B$  port on the PDP Display and the  $P_R$ ,  $Y$ ,  $P_B$  jacks on the DVD player.

 **Note**

- Select **Component** for the connection to a DVD player using the SOURCE button on the front of the PDP Display or on the remote control.
- Then, start the DVD Player with a DVD disc inserted.

 **Note**

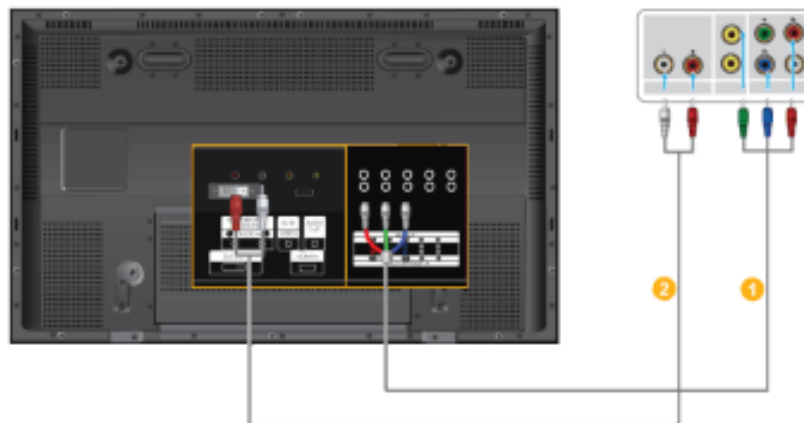
- A component cable is optional.

For an explanation of Component video, consult your DVD manual.

### Connecting a DTV Set Top Box

 **Note**

- The connections for a typical Set Top Box are shown below.



1. Connect a Component cable between the BNC / COMPONENT IN -  $P_R$ ,  $Y$ ,  $P_B$  port on the PDP Display and the  $P_R$ ,  $Y$ ,  $P_B$  jacks on the Set Top Box.
2. Connect a set of audio cables between the AV/COMPONENT AUDIO IN [L-AUDIO-R] on the PDP Display and the AUDIO OUT jacks on the Set Top Box.

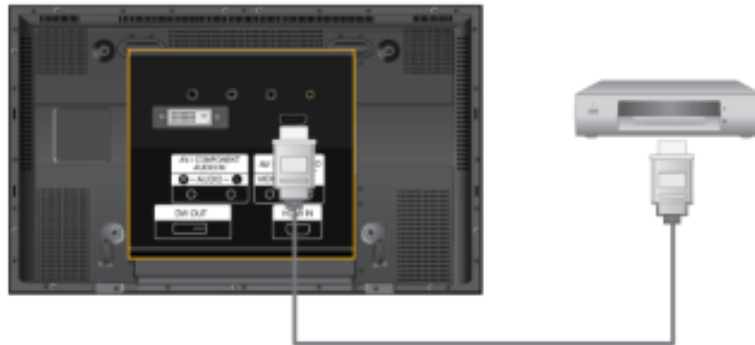
 **Note**

- Select **Component** for the connection to a DTV Set Top Box using the SOURCE button on the front of the PDP Display or on the remote control.

 **Note**

- For an explanation of Component video, see your Set Top Box owner's manual.
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## Connecting Using a HDMI Cable



 **Note**

- Input devices such as digital DVD are connected to the HDMI IN terminal of the PDP Display using the HDMI cable.
- You cannot connect a PC to the HDMI IN terminal.

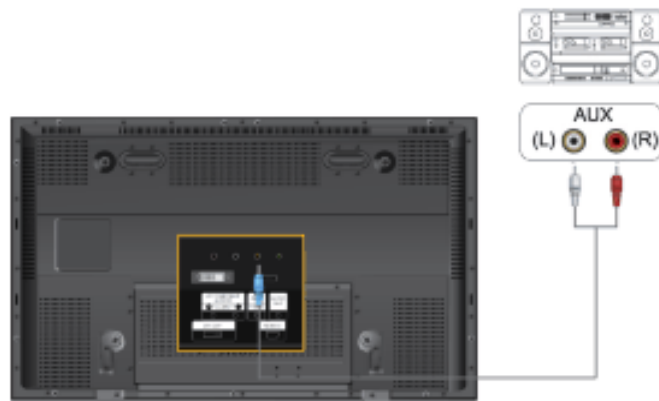
## Connecting Using a DVI Cable



 **Note**

- Connect the DVI output terminal of a digital output device to the DVI IN terminal of the PDP Display using a DVI cable.
  - Set the name of DVI input to AV device in Source -> **Edit Name** Menu.
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## Connecting to an Audio System



 **Note**

- Connect a set of audio cables between the AUX L, R jacks on the AUDIO SYSTEM and AUDIO OUT [L-AUDIO-R] on PDP Display.



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# Troubleshooting

## Self-Test Feature Check



Check the following items yourself before calling for assistance. Contact a Service Center for problems that you cannot solve by yourself.

## Self-Test Feature Check

1. Turn off both your computer and the PDP Display.
2. Unplug the video cable from the back of the computer.
3. Turn on the PDP Display.

The figure shown below ("**Check Signal Cable**") appears on a black background when the PDP Display is working normally even though no video signal is detected: While in the Self-Test mode, the LED power indicator remains green and the figure moves around on the screen.



4. Turn off your PDP Display and reconnect the video cable; then turn on both your computer and the PDP Display

If your PDP Display screen remains blank after using the previous procedure, check your video controller and computer system; your PDP Display is functioning properly.

## Warning Messages

You can even view the screen at a resolution of 1360(1920) x 768(1080). However, you will receive the following message for a minute; You can choose to change the screen resolution or stay in the current mode during that time. And if the resolution is more than 85Hz, you will see the black screen because the PDP Display does not support over 85Hz.



Refer to Specifications > Preset Timing Modes for the resolutions or frequencies supported by the PDP Display.

## Maintenance and Cleaning

- 1) Maintaining the PDP Display Case.

Clean with a soft cloth after disconnecting the power cord.

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- Do not use benzene, thinner or other flammable substances, or a wet cloth.
- We recommend that a SAMSUNG cleansing agent is used to prevent damage to the screen.

## 2) Maintaining the Flat Panel Display Screen.

Clean with a soft cloth (cotton flannel) smoothly.



- Never use acetone, benzene or thinner.  
(They may cause flaws or deformation of the screen surface.)
- The user will be required to pay costs and related expenses for repairing damages caused.

## Symptoms and Recommended Actions



### Note

A PDP Display recreates visual signals received from the computer. Therefore, if there is a problem with the computer or the video card, this can cause the PDP Display to become blank, have poor coloring, become noisy, and video mode not supported, etc. In this case, first check the source of the problem, and then contact a Service Center or your dealer.

1. Check if the power cord and the video cables are properly connected to the computer.
2. Check if the computer beeps more than 3 times when booting.  
(If it does, request an a service for the main board of the computer.)
3. If you installed a new video card or if you assembled the PC, check if you installed the Adaptor(video).
4. Check if the scanning ratio of the video screen is set to between 50 Hz ~ 85 Hz.  
(Do not exceed 60Hz when using the maximum resolution.)
5. If you have problems in installing the Adaptor (video) driver, boot the computer in Safe Mode, remove the Display Adaptor in the "Control Panel -> System -> Device Administrator" and then reboot the computer to reinstall the Adaptor (video) driver.

## Check List



### Note

- The following table lists possible problems and their solutions. Before calling for assistance, check the information in this section to see if you can remedy any problems for yourself. If you do need assistance, please call the phone number on the Information section or contact your dealer.

## Problems related to the Installation (PC Mode)



### Note

Problems related to the PDP Display installation and their solutions are listed.

Q: The PDP Display screen flickers.

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A: Check if the signal cable between the computer and the PDP Display is securely connected.

(Refer to Connecting a Computer)

## Problems related to the Screen



Problems related to the PDP Display screen and their solutions are listed.

Q: The screen is blank and the power indicator is off.

A: Ensure that the power cord is firmly connected and the PDP Display is on.

(Refer to the Connecting a Computer)

Q: "**Check Signal Cable**" message.

A: Ensure that the signal cable is firmly connected to the PC or video sources.

(Refer to the Connecting a Computer)

A: Ensure that the PC or video sources are turned on.

Q: "**Not Optimum Mode**" message.

A: Check the maximum resolution and the frequency of the video Adaptor.

A: Compare these values with the data in the Preset Timing Modes Chart.

Q: The picture rolls vertically.

A: Check if the signal cable is securely connected. Re-connect it, if necessary.

(Refer to Connecting a Computer)

Q: The image is not clear; picture is blurred.

A: Run Frequency **Coarse** and **Fine** tuning.

A: Turn on again after removing all accessories (video extension cable, etc.)

A: Set the resolution and frequency to the recommended ranges.

Q: The picture image is unstable and shakes.

A: Check if the resolution and frequency set for the computer video card falls in the range supported by the PDP Display. If not, reset them referring to the current Information under the PDP Display menu and Preset Timing Modes.

Q: Ghost images are shown in the picture.

A: Check if the resolution and frequency set for the computer video card falls in the range supported by the PDP Display. If not, reset them referring to the current Information under the PDP Display menu and Preset Timing Modes.

Q: The image is too light or too dark.

A: Adjusts the **brightness** and **contrast**.

(Refer to the **Brightness, Contrast**)

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- Q: The screen color is inconsistent.
- A: Adjust color using **Custom** under OSD Color Adjustment menu.
- Q: The color image is distorted by dark shadows.
- A: Adjust color using **Custom** under OSD Color Adjustment menu.
- Q: The color white is poor.
- A: Adjust color using **Custom** under OSD Color Adjustment menu.
- Q: The Power Indicator blinks.
- A: The PDP Display is currently saving the changes made in the settings to the OSD memory.
- Q: The screen is blank and the power indicator light blinks every 0.5 or 1 seconds. The PDP Display is using its power management system. Press any key on the keyboard.
- A: The PDP Display is using its power management system. Press a key on the keyboard.
- Q: The screen is blank and it is blinking.
- A: If you see the "**TEST GOOD**" message on the screen when you pressing the MENU button, check the cable connection between the PDP Display and the computer to ensure that the connector is properly connected.

### Problems related to Audio



Problems related to audio signals and their solutions are listed below.

- Q: No sound.
- A: Ensure that the audio cable is firmly connected to both the audio-in port on your PDP Display and the audio-out port on your sound card.
- (Refer to the Connecting a Computer)
- A: Check the volume level.
- Q: The sound level is too low.
- A: Check the volume level.
- A: If the volume is still too low after turning the control to its maximum, check the volume control on the computer sound card or software program.
- Q: The sound is too high or too low.
- A: Adjusts the **Treble** and **Bass** to the appropriate levels.

### Problems related to the Remote Control



Problems related to the remote control and their solutions are listed.

- Q: The remote control buttons do not respond.
- A: Check the polarities (+/-) of the batteries.
-

- A: Check if the batteries are empty.
- A: Check if the power is on.
- A: Check if the power cord is securely connected.
- A: Check if a special fluorescent or neon lamp is on in the vicinity.

## Q & A

Q: How can I change the frequency?

A: The frequency can be changed by reconfiguring the video card.



**Note**

That video card support can vary, depending on the version of the driver used. (Refer to the computer or the video card manual for details.)

Q: How can I Adjusts the resolution?

A: Windows XP:

Set the resolution in the Control Panel → Appearance and Themes → Display → Settings.

A: Windows ME/2000:

Set the resolution in the Control Panel → Display → Settings.

\* Contact the video card manufacturer for details.

Q: How can I set the Power Saving function?

A: Windows XP:

Set the resolution in the Control Panel → Appearance and Themes → Display → Screen Saver.

Set the function in the BIOS-SETUP of the computer. (Refer to the Windows / Computer Manual).

A: Windows ME/2000:

Set the resolution at the Control Panel → Display → Screen Saver.

Set the function in the BIOS-SETUP of the computer. (Refer to the Windows / Computer Manual).

Q: How can I clean the outer case/PDP Panel?

A: Disconnect the power cord and then clean the PDP Display with a soft cloth, using either a cleaning solution or plain water.

Do not leave any detergent or scratches on the case. Do not let any water enter the PDP Display.

Q: How can I play the video?

A: The video supports the MPEG1 and WMV codecs only. Install the corresponding codec to play the video. Note that some of the codecs can be incompatible.

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 **Note**

Before calling for assistance, check the information in this section to see if you can remedy any problems yourself. If you do need assistance, please call the phone number on the Information section or contact your dealer.