



## 42" PDP TV User's Guide

- Please observe all safety precautions when using this product.
- Please read this manual carefully before using this product.

- Quick and Easy Installation
- Versatility and Expendability
- That doesn't make you feel fatigue on your Eyes.
- Flat-Panel Digital Display easy on the Eyes.

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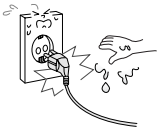
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## Power Supply

### Warnings

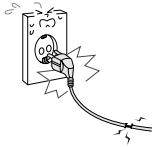
Do not touch the power plug with wet hands.

- Doing so may result in electric shock.



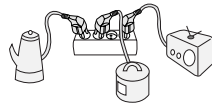
Do not use a damaged power cord or plug or a loose outlet.

- Doing so may result in fire or electric shock.



Do not plug several devices into the same outlet.

- Doing so may cause the outlet to overheat and start a fire.



Insert the power plug fully into the outlet.

- A loose or improperly inserted power plug may result in fire.



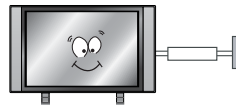
Do not bend the power cord excessively or place heavy objects on it.

- Doing so may result in fire or electric shock.



Be sure to ground the unit.

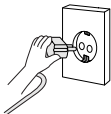
- Failing to do so may lead to electric shock when a short circuit or overload occurs. If necessary, install a ground fault circuit breaker. Never ground to a telephone line, lightning rod, or metal gas pipe. (Doing so may result in fire, electric shock, or other hazards.)



### Cautions

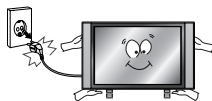
When disconnecting the power cord from an AC outlet, always grasp it by the plug.

- Pulling on the cord can damage the internal wire and may result in fire.



Always unplug the unit before cleaning.

- Not doing so may result in fire or electric shock.



The purpose of these precautions is to ensure user safety and prevent property damage.

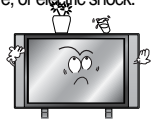
Be sure to read and observe all safety precautions.



### Warnings

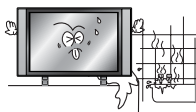
Do not place containers with liquids such as flower vases, soft drink cans, or medicine bottles or small metallic objects on top of the unit.

- If liquid enters the unit or any metal object falls into the unit, it may result in short-circuit, fire, or electric shock.



Do not place the unit where it is exposed to rain, excessive moisture or grease.

- Doing so may result in fire, electric shock, malfunction, or deformation.



Do not use or store flammable or combustible materials near the unit.

- Doing so may result in fire or explosion.



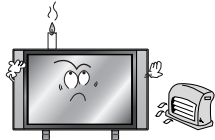
Do not place the unit on an unstable surface, such as a wobbly stand or sloped table, or on any surface whose area is smaller than the bottom area of the unit.

- If a child climbs on the unit, it could topple and fall onto the child, resulting in serious injury to the child or damage to the unit. Place the unit on a flat stable surface.



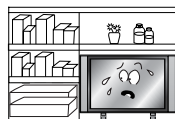
Do not place a burning candle, burning anti-mosquito incense, or lighted cigarette on top of the unit. Do not place the unit near any heat source such as a fireplace or space heater.

- Doing so poses a serious risk of fire.



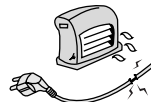
Do not place the unit in a poorly ventilated enclosure, such as a cabinet.

- Doing so poses a serious risk of fire.



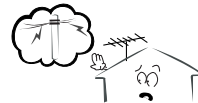
Do not run power cords near heat-producing appliances such as radiators, stoves, or irons.

- The excessive heat could melt the insulation and expose live wires, resulting in fire or electric shock.



Install the antenna away from high-voltage power lines and communication cables and make sure it is installed securely.

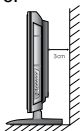
- If the antenna touches a power line, contact with the antenna could result in fire, electric shock, serious injury, or death.



### Cautions

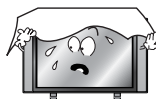
Install the unit at an adequate distance from the wall to ensure sufficient ventilation.

- If the temperature inside the unit rises, it may result in fire.



Do not cover the unit with a tablecloth, curtain, or other material.

- If the temperature inside the unit rises, it may result in fire.



Be sure to place the unit on a level surface.



### ⚠ Warnings

Form a drip loop where the coaxial antenna cable enters your building to prevent rainwater from traveling along the cable and coming in contact with the antenna input terminal.

- If rainwater finds its way inside the unit, it may result in fire or electric shock.



- The following precautions are divided into "Warnings" and "Cautions".

⚠ Warning : Ignoring this precaution may result in death or serious injury.

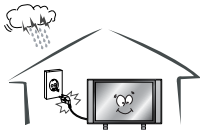
⚠ Caution : Ignoring this precaution may result in injury or property damage.

## Use and Maintenance

### Warnings

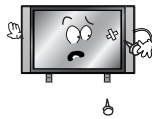
Disconnect the power cord from the wall outlet during an electrical storm.

- Not doing so may result in fire or electric shock.



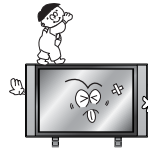
Do not insert any metal objects, such as a screwdriver, paper clip, or bent wire into the ventilation openings or A/V terminals.

- Doing so poses a serious risk of fire or electric shock.



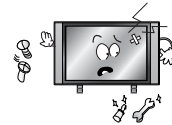
Do not allow children to climb or hang on the unit.

- The unit could topple over onto a child and result in serious injury.



Never disassemble or modify the unit in any way. Do not attempt to service the unit yourself.

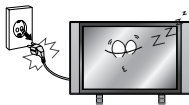
- Doing so may result in fire or electric shock. If the unit requires repair, contact the service center.



### Cautions

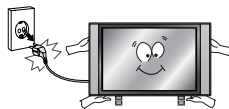
When not using the unit for long periods of time, disconnect the power cord from the wall outlet.

- Dust could accumulate over time on the unit and cause it to generate heat and ignite, or deteriorate insulation, which in turn may result in an electrical fire.



When moving the unit, be sure to turn off the unit and unplug the power cord from the wall outlet.

- Moving the unit with the power cord connected to the outlet may cause damage to the cord, resulting in fire or electric shock.



If you notice any unusual odors or smoke around the unit, immediately disconnect the unit from the outlet and contact the service center.

- Failure to do so may result in fire or electric shock.



### ⚠ Warnings

When removing the batteries from the remote control, make sure children do not swallow them. Keep the batteries out of the reach of infants and children.

- If a child has swallowed a battery, seek medical attention immediately.



Always use two or more people to lift or move the unit.

- If the unit is dropped, it could be damaged or otherwise cause injury.



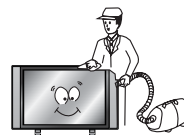
Wipe off any moisture, dirt, or dust on the power plug pins with a clean dry cloth.

- Failure to do so may result in fire or electric shock.



It is advisable to clean the interior of the unit at least once a year. Contact the store of purchase or service center for information.

- Continuing to use the unit without cleaning off the dust build-up inside it may result in fire or electric shock.



Always turn off the unit and unplug the power cord when cleaning the unit. Use a soft dry cloth to clean the unit.

- Never clean with industrial strength polish, wax, benzene, paint thinner, air freshener, lubricant, detergent, or other such chemicals. Also, do not clean with a damp cloth.



## Important Safety Instructions

- Important safeguards for you and your new product

Always be careful when using your PDP TV. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use the attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.

## Important Safety Instructions

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus



### CAUTION

**RISK OF ELECTRIC SHOCK DO NOT OPEN**

**CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.



### NOTE TO CABLE/TV INSTALLER :

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

Apparatus with Class I construction shall be connected to a Mains socket outlet with a protective earthing connection.



## Important Safety Instructions

### **WARNING**

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

### **Caution :**

- These servicing instructions are for use by qualified service personnel only.  
To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **Important :**

One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

### **REGULATORY INFORMATION :**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Considerations For Usage

### Still image (immovable) screen may cause permanent damage to PDP TV.

1. Lengthy display of still images from video games, banners, graphics and others may fatally damage the screen.
2. When using Picture-In-Picture, permanent damage may occur if the sub-image screen stays on the corner of screen for a long time.
3. When using the PDP TV in 4 : 3 formats with sidebars for a long period of time, it may cause damage to the plasma panel. It is recommended that you use Wide(16:9) or Panorama format. (Image burn-in can be avoided by using "Panel Protection" function or a screen-saver. However, once image burn-in occurs, it may not disappear completely. An image will be dimmed as the image is displayed long time or repeatedly.)

※ Any damage to the PDP TV caused by improper usage (such as image burn-in) shall not be covered by the warranty.

### Defective pixels that can be seen on PDP TV screen. (illuminated spots, bright spots, blind spot, blinking)

Generally, PDP TV consists of about 1.22 million pixels and having defective pixels is possible. A PDP TV with a number of defective pixels below a certain number is not considered defective. The limited number of defective pixels does not affect the performance or reliability of the PDP TV. The standard of inspection regarding defective pixels is the same or better as the competitor's offering on similar PDP TV. It is not subject to replacement or a refund. We will do our best to minimize the defective pixel as best as we can.

## Names of each part

### Front View



- ❶ Stand by Button
- ❷ Source Button - Input Source Select Button
- ❸ Menu Button - OSD Menu Display Button
- ❹ Program/Channel ▼, ▲ Button
- ❺ Volume ◀, ▶ Button

## Accessories

- The configuration of the components may look different from the following illustration.



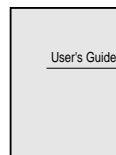
Antenna Cable



Battery 1.5V (AAA ×2)



Power Cord



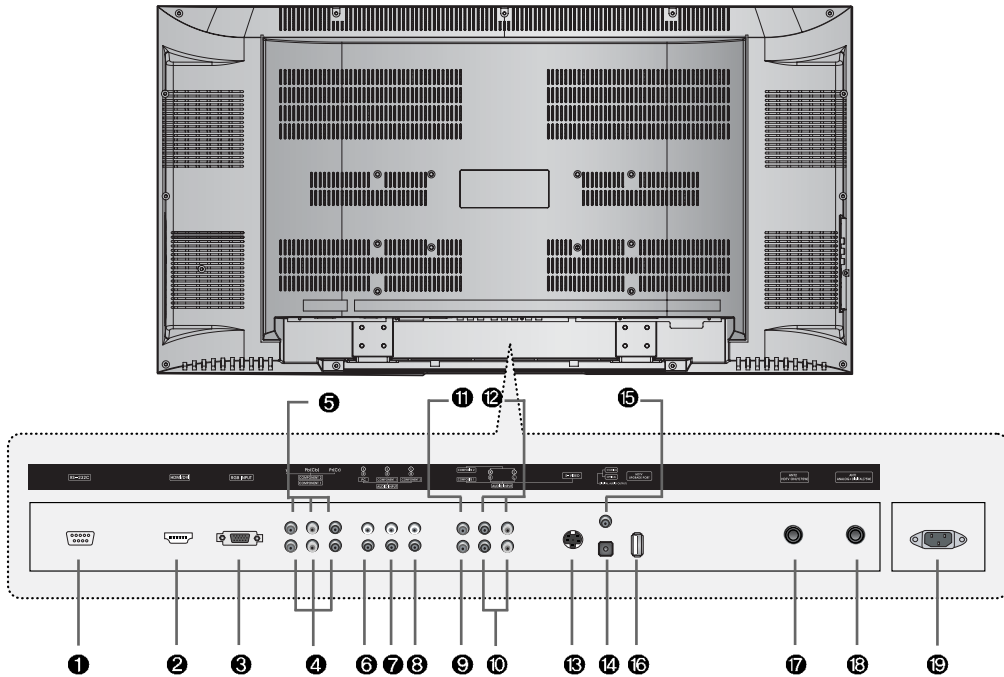
User's Guide



Remote Control

## Names of each part

### Back View



- |                                    |  |   |
|------------------------------------|--|---|
| ① RS-232C Terminal                 | ⑧ Component 2 Audio Input Terminal               | ⑭ OPTICAL output terminal               |
| ② HDMI/ DVI Input terminal         | ⑨ Composite 1 Input Terminal                     | ⑮ COAXIAL output terminal               |
| ③ RGB PC Input Terminal            | ⑩ Audio Input Terminal<br>(Composite 1, S-Video) | ⑯ USB (HDTV UPGRADE PORT)               |
| ④ Component 1 Input Terminal       | ⑪ Composite 2 input Terminal                     | ⑰ ANT 2 Input terminal (Digital only)   |
| ⑤ Component 2 Input Terminal       | ⑫ Audio Input Terminal (Composite 2)             | ⑱ ANT 1 Input terminal (Analog+Digital) |
| ⑬ Audio Input Terminal (DVI,PC)    | ⑬ S-Video input Terminal                         | ⑲ AC Input Terminal                     |
| ⑦ Component 1 Audio Input Terminal |  |   |

※ ① RS-232C input port and ⑯ HDTV UPGRADE PORT will become a norm and be part of the environment of the future digital televisions. Thus if it were possible to only modify the software and not the hardware in order to correspond, it would be possible to improve the software version by using this port. Normal Consumers are invited to not connect these ports since they aren't used.

## Mounting on a Desktop

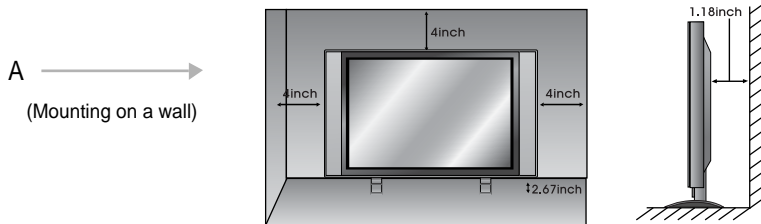


- Your PDP TV can be mounted on a Desktop as shown in the figure above.
- This is not floor-standing unit.

## Installation Precautions

### Wall Mounting

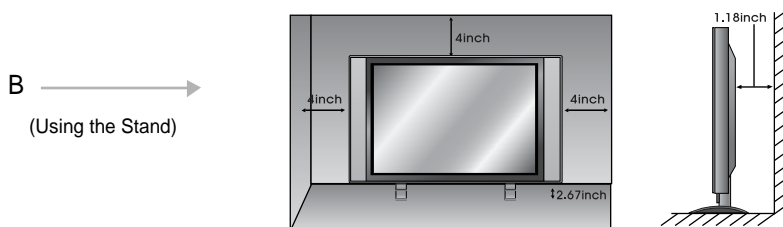
- Please secure enough space for safe use. (Please refer to A and B.)
- Installation of the PDP TV in an improperly ventilated location can cause a fire or damage to the PDP TV due to increased temperature.



※ Contact your dealer to purchase the "Adjustable-angle wall mount" required for wall-mounted installation.

### Using the Stand

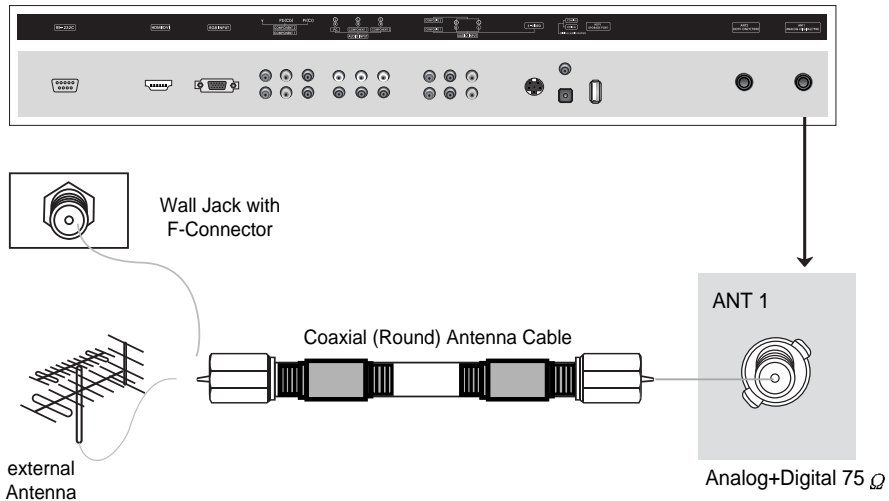
- Do not install on an unstable location with support area smaller than the PDP TV.
- Please refer to the desktop stand user's manual for details of installation.



※ Please contact your dealer to purchase the "speakers".

## Installing an Antenna

- When you see Analog channel(TV) and Digital channel(TV) through the same antenna.

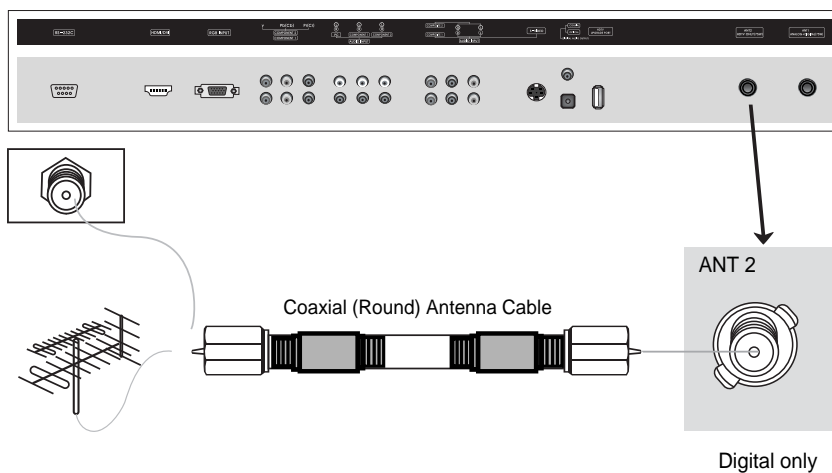
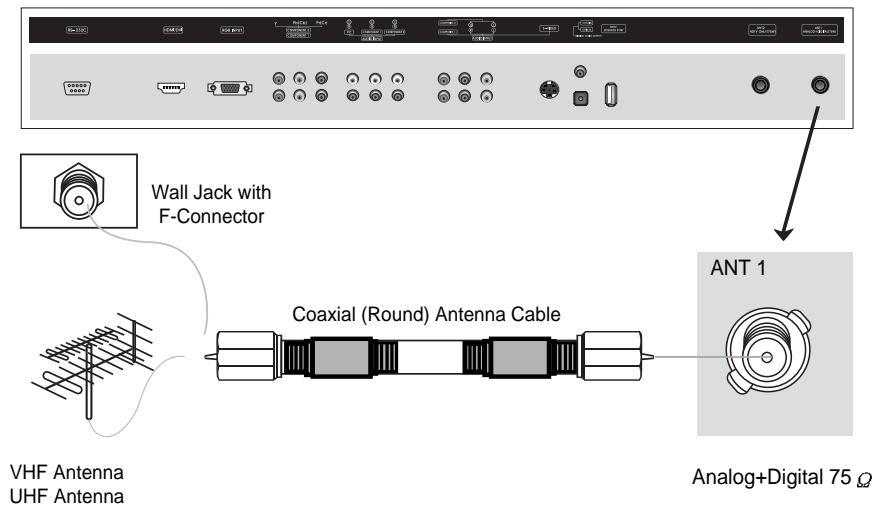


## Installing an Antenna

- When you see Analog channel(TV) and Digital channel(TV) through the different antenna.

Connect Analog TV signal to ANT1 input terminal.

Connect Digital TV signal to ANT2 input terminal.



Notice

You can't see Analog TV if it is connected to ANT2.

## Installing an Antenna

### Connecting an Outdoor Antenna

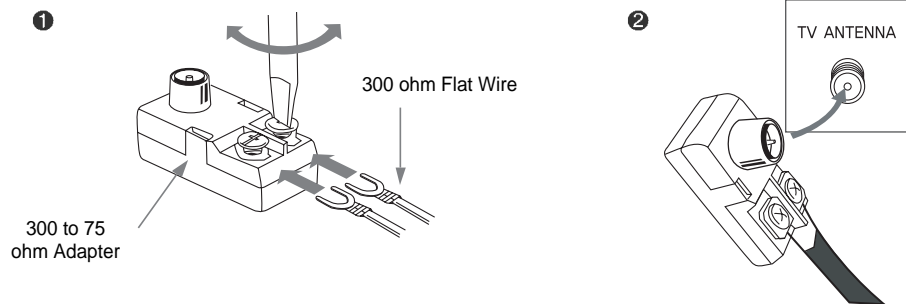
For the best reception, we recommend you use an outdoor antenna.

Severely weathered antennas and antenna cables can reduce the signal quality.

Before making any connections, inspect all antenna hardware. Any service center can explain the various outdoor antennas available to you.

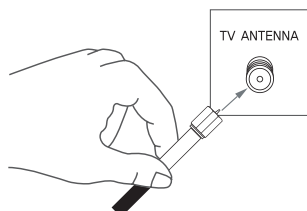
- 300 Ohm Flat Wire

Connect the 300 ohm flat wire to the screws on the 300 ohm to 75 ohm adapter. Push the end of 300 ohm to 75 ohm adapter onto the 75 ohm antenna jack.



- 75 Ohm Coaxial Cable

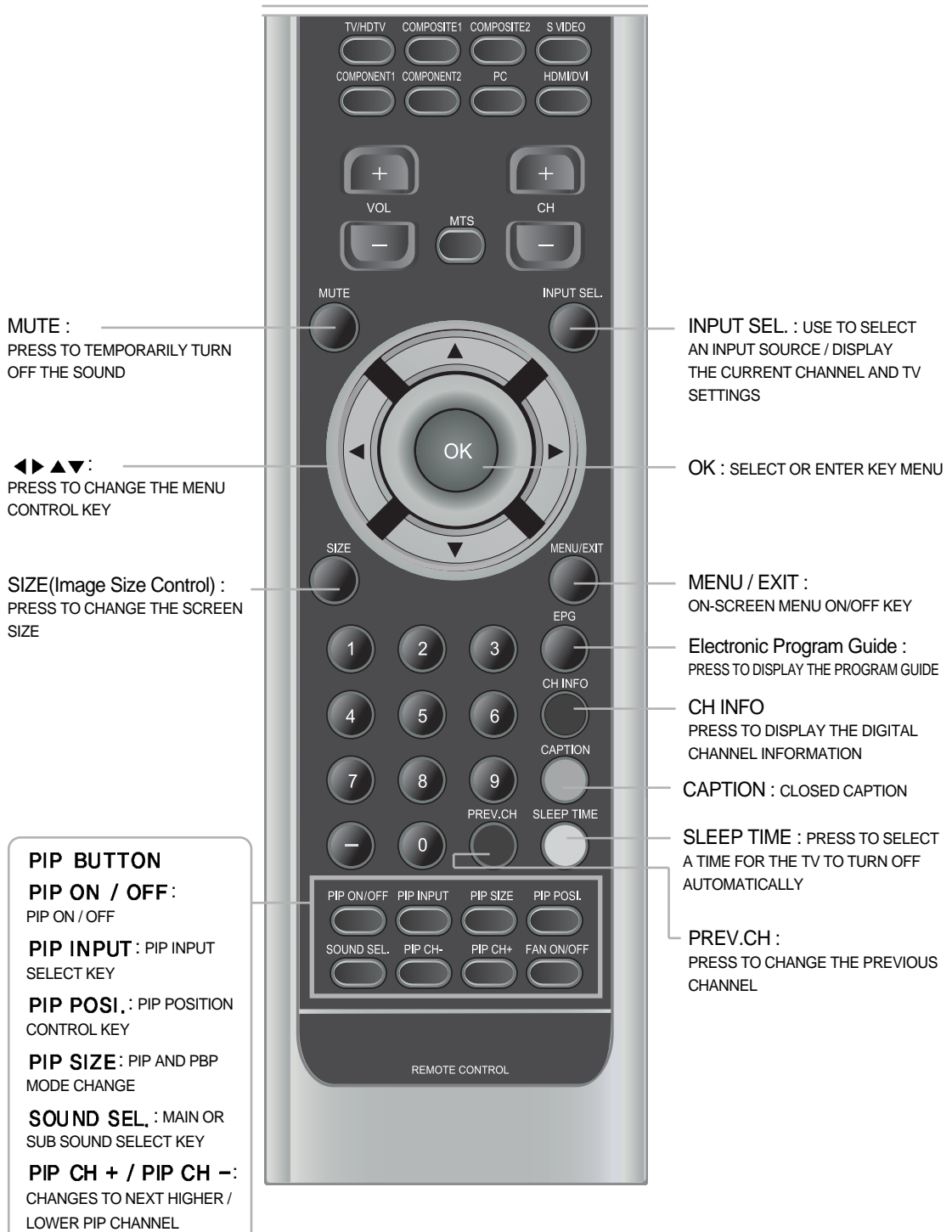
Connect the 75 ohm coaxial cable directly to the 75 ohm antenna jack.







## Remote Controller

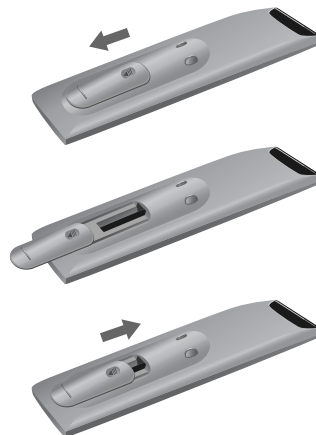


## Avoiding Remote Control Problems

1. Check the polarity (+,-) of the batteries in the remote controller.
2. Check that the batteries have power.
3. Check that the PDP TV is powered and that it is properly plugged in.
4. Check if any three-wavelength lamp, special fluorescent or neon sign is turned on near the PDP TV.

## Inserting Batteries in the Remote Controller

1. Open the cover completely.
2. Insert the two supplied batteries (AAA, 1.5V). Ensure that the polarities (+ and -) of the batteries are aligned correctly.
3. Slide back the cover.



**⚠ CAUTION** : Risk of explosion if battery is replaced by an incorrect type.  
Dispose of used batteries according to the national code (Recycling program).

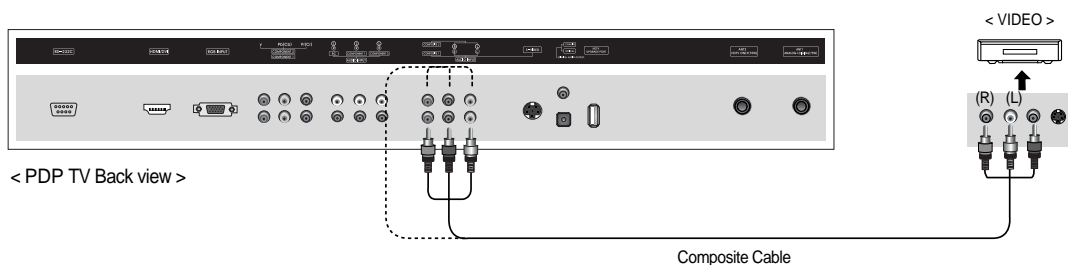
## How to use remote controller

- The remote control should be operated within 30feet (7m) and 30° to the left and the right of the IR receiver at the front of the PDP TV.
- Used batteries should be disposed properly.

## VCR Connections

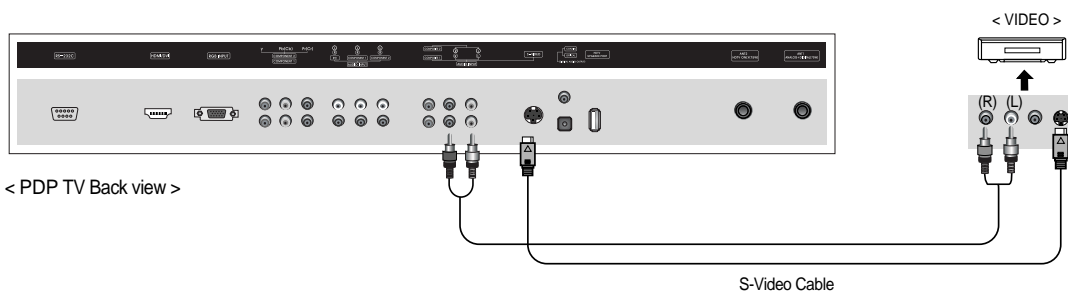
- Connecting to the Composite terminal

※ Connection terminals of other equipments differ by manufacturer and model.



· Connect the PDP TV's Composite In terminal to the VCR's Composite Out terminal using the Composite cable.  
(Make sure the color of the terminals and the color of the cable are the same)

- Connecting to the S-Video terminal



※ Use the S-Video cable for higher picture quality.

## Watching Video Tape

1. Turn on the PDP TV and press  on the remote controller.

2. Use  to move to "Composite 1 or 2".

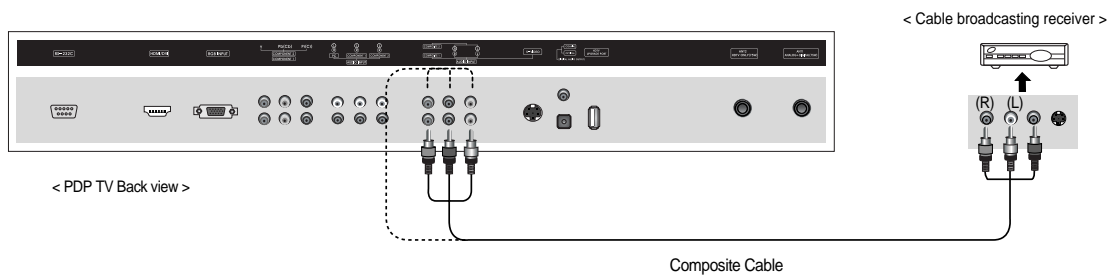
· If S-Video has been connected, select "S-Video".

3. Turn on the VCR, insert the tape and press play button.

## Cable TV Connections

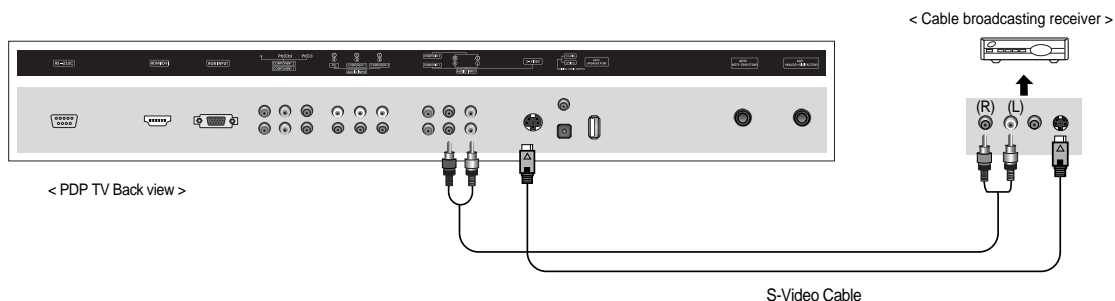
### ● Connecting to the Composite terminal

- ※ In order to watch Cable TV, Subscribe to your local Cable TV company and install a separate receiver(Set-Top-Box)
- ※ Connection terminals of other equipments differ by manufacturer and model.



- Connect the PDP TV's Composite In terminal to the cable broadcasting receiver Composite Out terminal using the Composite cable. (Make sure the color of the terminals and the color of cable are the same)


### ● Connecting to S-Video terminal



- ※ Use the S-Video cable for higher picture quality.

## Watching Cable TV

1. Turn on the PDP TV and press  on the remote controller.

2. Use  to move to "Composite 1 or 2".

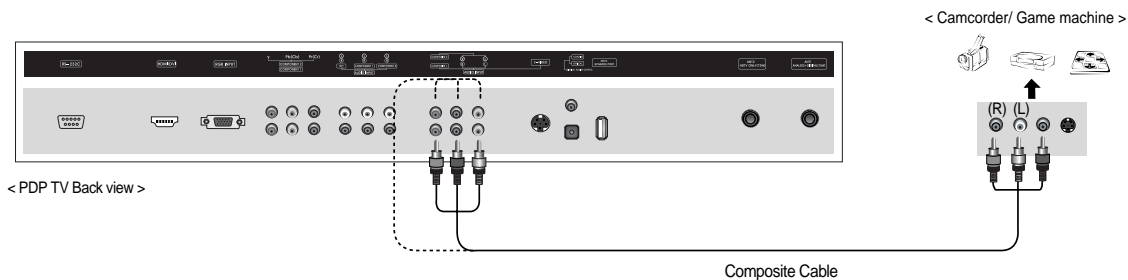
- If S-Video has been connected, select "S-Video".

3. Turn on the cable broadcasting receiver and select the channel you wish to view.

## Camcorder/Game Console Connections

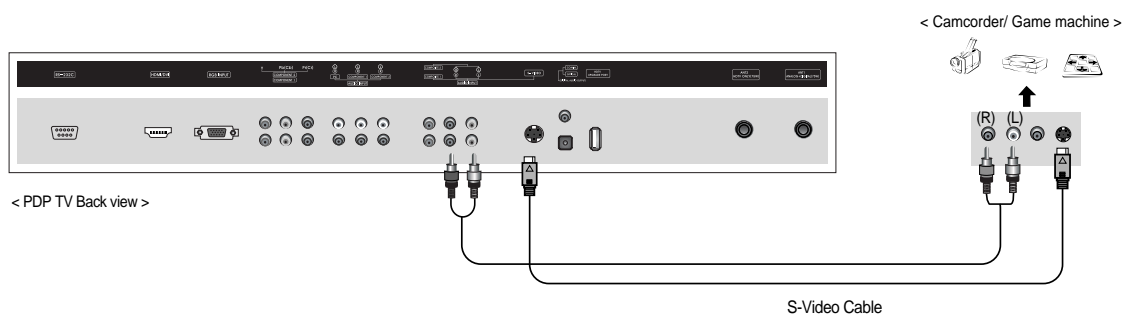
### ● Connecting to the Composite terminal

※ Connection terminals of other equipments differ by manufacturer and model.



· Connect the PDP TV's Composite In terminal to the camcorder/game console's Composite Out terminal with the Composite cable. (Make sure the color of the terminals and the color of cable are the same)

### ● Connecting to S-Video terminal



※ S-Video cable can be used if there is an S-Video terminal.

## Using Camcorder/Game Console

1. Turn on the PDP TV and press  on the remote controller.

2. Use  to move to "Composite 1 or 2".

· If S-Video has been connected, select "S-Video".

3. Turn on the Camcorder or video game and set to Video mode.

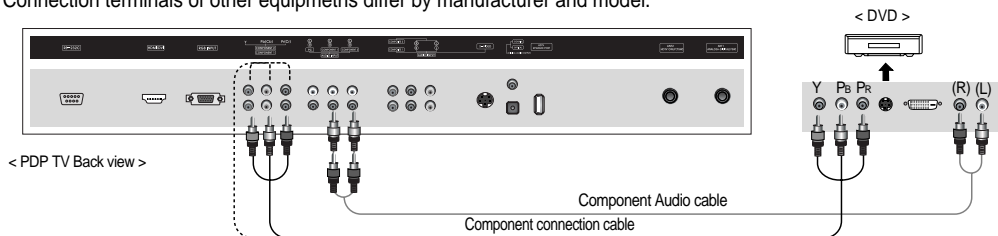
(Please refer to the user's manual of Camcorder/ Video game for more information)

4. Insert tape into Camcorder and press play button or insert disc into the Video game console.

## DVD Connections

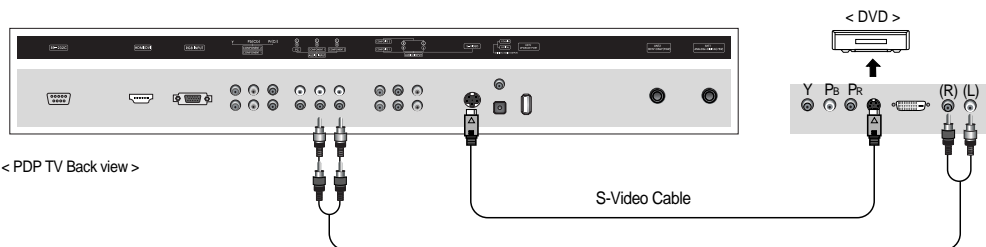
### ● Connecting to the component terminal

※ Connection terminals of other equipments differ by manufacturer and model.



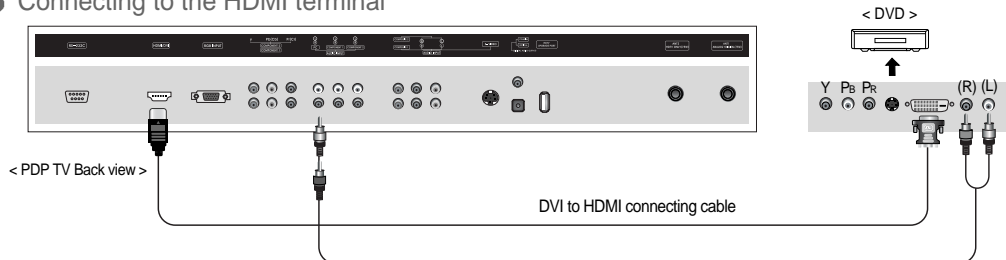
1. Connect PDP TV's Y, Pb, Pr terminal in Component 1 or 2 to DVD's Video Out terminal using the external cable.
2. Connect PDP TV's Audio terminals (left & right) in Component 1 or 2 to DVD's Audio Out terminal using the Audio cable.
3. It must match the component connection cable Y, Pb, Pr between the PDP TV and DVD Player.

### ● Connecting to the S-Video terminal





※ S-Video cable can be used if there is an S-Video terminal.

### ● Connecting to the HDMI terminal



· Connecting from DVI terminal to HDMI terminal.

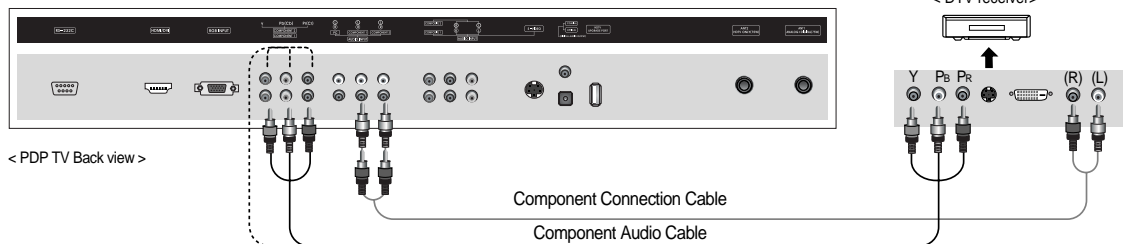
## Playing the DVD

1. Turn on the PDP TV and press  on the remote controller.
2. Use  to move to "Component 1 or 2".
  - If S-Video has been connected, select "S-Video".
  - If DVI-D has been connected, select "HDMI/DVI".
3. Turn on the DVD, insert the DVD disc and press Play button.

## DTV Connections

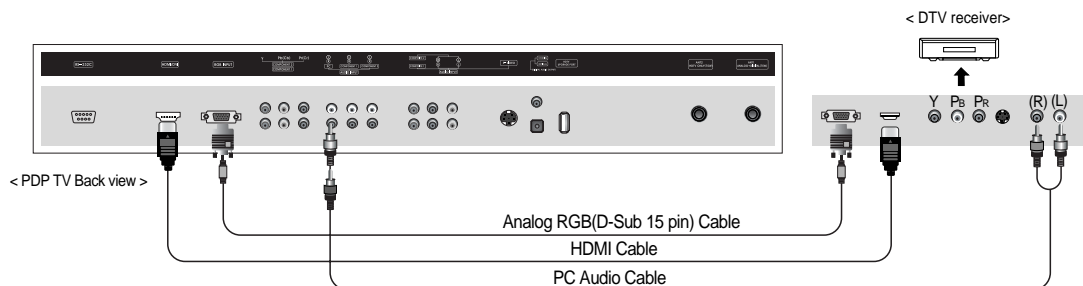
- Connecting to the component terminal

※ Connection terminals of other equipments differ by manufacturer and model.





1. Connect PDP TV's Y, Pb, Pr terminal in Component 1 or 2 to DTV receiver's Video Out terminal using the external cable.
  2. Connect PDP TV's Audio terminals (left & right) in Component 1 or 2 to DTV receiver's Audio Out terminal using the Audio cable.
  3. It must match the component connection cable Y Pb, Pr between the PDP TV and DTV receiver.
- ※ DTV receiver's output terminal can be marked Y, Pb, Pr or Y, Cb, Cr according to products.

- Connecting to the PC/HDMI terminal



- Some of the DTV receiver(Set-Top-Box) have a PC Connector (D-Sub 15pin), DVI connector instead of Component output .
- Connect Audio Cable from the Audio output terminal of the receiver to the PC Audio input terminal of the PDP TV.

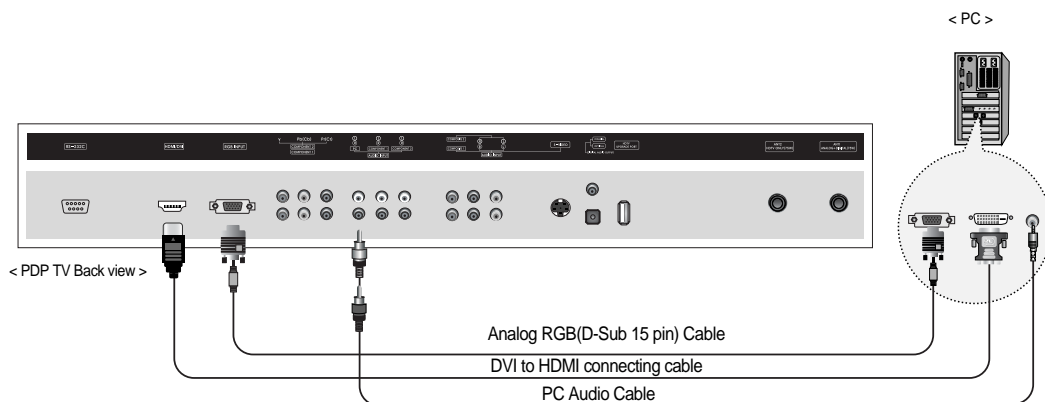
## Viewing DTV

1. Turn on the PDP TV and press  on the remote controller.
2. Use  to move to "Component 1 or 2".
  - If D-Sub 15 Pin has been connected, select "PC".
  - If DVI-D has been connected, select "HDMI/DVI".
3. Turn on the DTV receiver and select the channel you want.



## PC Connections

※ Connection terminals of other equipments differ by manufacturer and model.



- Connect PDP TV's PC Input terminal to PC's RGB terminal using the D-Sub cable.
- If there is a DVI-D terminal in your PC, use the DVI to HDMI connecting cable.
- Connect PDP TV's PC Audio terminal to PC's Audio terminal using the Audio cable.  
(Only for PC's with Audio terminal)

## How to Use as PC monitor

1. Turn on the PDP TV and press  on the remote controller.

2. Use  to move to "PC".

If DVI-D has been connected, select "HDMI/DVI"

3. Set the PC video output mode to VGA (640 × 480)/ SVGA (800 × 600)/ XGA (1024 × 768)/SXGA (1280 × 1024, 60Hz).

If the video mode is higher than SXGA (1280 × 1024, 60Hz) "Out of Range" message appears.

Be sure to set your PC video format to below SXGA mode.

## Powering the PDP TV

- Power on/ off

- To turn the PDP TV on :

Press the "Standby" button.

- To turn the PDP TV off :

Press "Standby" button on the PDP TV.


- To turn on/off by remote controller :

Press the "POWER" button of remote controller.

- Picture will be shown on screen around 8 to 12 seconds after you pressed the Standby button or remote control POWER button. This is due to circuitry stabilization.

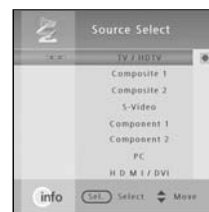
## Selecting Input Source

- You can select between the TV signal and the input signal of other equipments connected to the TV.
- Use this function to switch to the input source you wish to view.

Press  button on the remote control.

Use  to move to the desired input source.

Press  to select.



※ Aside from watching HDTV/TV, you can connect Composite 1 or 2, S-Video, Component1 or 2, PC and DVI to the TV set and enjoy these functions.

- Channel Selection




increases the memory channel.

decreases the memory channel.

- You will see all the channels that the TV has memorized.

- To go back to the previous channel

Press  to go back to the channel you were previously viewing.

- To View the still picture

Press  .

- Picture will be freezed, but sound will continue to be heard.

Press  again to cancel.

- Volume Control




increases the volume.

decreases the volume.




- To turn sound off only

- Use the mute function to turn off the PDP TV sound for a while, when a phone or a bell rings.


Press  button again to hear the sound again.

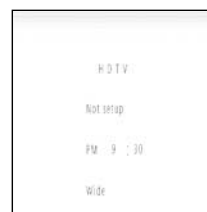


- To check the current state

Press  button on the remote control.

- Display shows user's setting and selections.

Press  button or wait 10 seconds for the display to disappear.



## Memorizing the Channels

- Storing Channels in Memory (Automatic Method)

- Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV.

Press



.

Use



to move to



.

Use



to move to "Auto search channels"

Press



to select



Press



to select search mode.



Press



to start " Auto Search".

Press



to go back to the previews menu.



AIR : Airwaves broadcasting  
CABLE : Standard CATV broadcasting

## Memorizing the Channels

- Adding and Erasing Channel (Manual Method)

Press



.

Use



to move to



.

Press



to move to "Edit valid channels".

Press



to select.



Press



to select the "Add" or "Delete".

Use

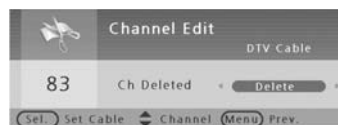


to change channel.

Press



to go back to the previous menu.



## Adjusting Unclear Screen

- Use screen fine-tune controls to adjust the screen when picture quality is unclear or lines appear.

Press



.

Use



to move to



.

Press



to move to "Fine Tune".



Use



to tune.

Press



to go back to the previous menu.

## Changing Picture Settings

### ● Custom Picture Adjustment

Press



.

Use



to move to



.



Use



to move to the desired category.

Use



to adjust the setting.



Press



to go back to the previews menu.

## > Custom Mode

- Brightness : It adjusts the brightness of the image.
- Contrast : It adjusts the contrast of the image.
- Sharpness : It adjusts the clarity of the image.
- Color : It adjusts the intensity of the color.
- Tint : It adjusts the natural tint of the image.
- Color Temp : Control the red, green and blue to find a best impression of color on screen.
- Phase(Component 1 , Component 2, PC) : Control this if it is out of focus.
- Frequency(PC) : The position of screen is not on the right spot.

## Changing Sound Settings

## ● Custom Sound Adjustment

Press



.

Use



to move to



.



Use



to move to the desired category.

Use



to adjust the setting.

Press




to exit menu.

## &gt; Custom Mode



- Treble : The high - pitched sound can be controlled.
- Bass : The low - pitched sound can be controlled.
- Balance : Control the volume of right and left speaker. The volume level 50 is recommended for the most comfortable listening.


## Selecting the Menu Language

- Menu screen can be viewed in the language preferred by the user.


Press  .


---


Use  to move to  .

Press  to move to "Language".


---

Use  to select the desired language.



Press  to exit menu.





## Setting OSD Tone Menu Background


Press  .

---


Use  to move to  .


Press  to move to "Transparency" .


Press  to select.


Use  to select the "On" or "Off".

---

Press  to move to "OSD Timeout(sec)".

use  to select the desired OSD Timeout.

Press  to exit menu.





## Changing Screen Size

Press



Use



to move to



Press



to move to "Image Size".



Use



to select the desired "Image Size".

Press



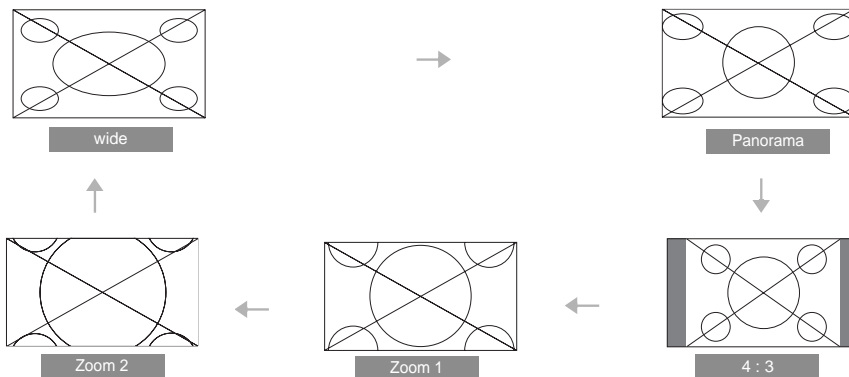
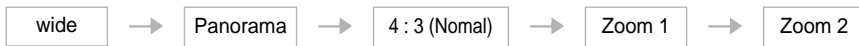
to exit menu.

Or

Press



button on the remote control (Image Size Control).




### > Screen Size


- Wide - It makes 16 : 9 format for input signal.
- Panorama - It makes 4 : 3 format fit into 16 : 9 format with minimal loss in content.
- 4 : 3 - It is the standard format of broadcasting.
- Zoom 1 - It enlarges the natural screen factor by approx.(5%)
- Zoom 2 - It enlarges the natural screen factor by approx.(10%)


## Using the V-Chip


- The V-Chip feature automatically locks out programming that is deemed inappropriate for children.
- The user must first enter a password before any of the V-Chip restrictions can be set up or changed.


Press  .

---


Use  to move to "Setup".

Press  to move to "Password".

Press  to select.




- Enter your 4-digit number.
- ※ The default password for a new TV set is 0000.


Press  to select.





### ● Setting up your V-CHIP password

- First, Set up a personal identification number(password) and enable the V-Chip.

Use  to move to "Change password"  
Enter your 4-digit New password.







Press  to select.

Press  to exit menu.



- How to set up Restrictions using the "TV guidelines"

- First, Set up a personal identification number (password) and enable the V-Chip.
- Parental restrictions can be set up using either of two methods ;  
The TV guidelines or the MPA rating.

- Use  to move to "Rating".
- Press  to select.
- Use  or  to move to desired categories.
- Press  to set the restriction ratings.
- Press  to exit menu.



- The V-Chip will automatically block certain categories that are "More restrictive".  
For example, if you check "L" Sub-rating in TV-PG, then the "L" Sub-rating in TV-14 and TV-MA will automatically be checked.



- TV-Y : Young Children
  - TV-Y7 : Child 7 and over
  - TV-G : General audience
  - TV-PG : Parental guidance suggested
  - TV-14 : Parents strongly cautioned
  - TV-MA : Mature audience
- (young Children through age 7)
- (everybody else)





※ The restrictions for these two groups work independently.

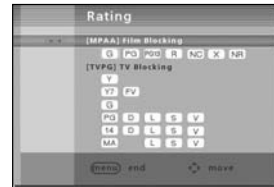
- FV : Fantasy Violence
- V : Violence
- S : Sexual situation
- L : Adult Language
- D : Sexual Suggestive Dialog

## Using the V-Chip

### ● How to Set up Restrictions using the MPAA Ratings


- The MPAA rating system uses the Motion Picture Association of America(MPAA) system, and its main application is for movies.
- When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable rating (either MPAA or TV-Rating).
- First, Set up a personal identification number(password) and enable the V-Chip.

- Use  to move to [MPAA] Film Blocking.
- Use  to move to desired categories.
- Press  to set the restriction ratings.
- Press  to exit menu.






- G : All Children and General audience.
- PG : Parental guidance suggested
- PG13 : Parental guidance for children under 13
- R : Restricted viewing, parental guidance is suggested for children under17.
- NC17 : No children under age 17
- X : Adults only
- NR : Not rated

## Viewing the Closed Captions


Press  .


---



Use  to move to  .

Press  to move to "Closed Caption".


---

Use  to set the closed captions.

Press  to exit menu.


※ You can select these options in the following order.

※ You can get the same result by pressing the  button on the remote control.

※ The closed caption function will be off automatically when PIP function is on.  
(To use a closed caption function, turn PIP function off.)


## Listening to stereo sound MTS(Multi Television sound)


- Depending on the particular program being broadcasted, you can listen to stereo, mono or a secondary audio program.



Press  Button on the remote control.(Multi Television sound)

## Viewing Picture in Picture

Press  .


Use  to move to  .

Press  to move to "Layout".

Use  to select the  .


Press  to exit menu.




※ You can get the same result by pressing the  button on the remote control.

- Sound from only one of the screens may be heard.


### ● TV/External Input

Press  to move to input "Sub Source".

Use  to select the desired input source.

Press  to exit menu.



※ You can get the same result by pressing the  button on the remote control.





- The sub-screen can be changed to display picture from the desired input source.

### • PIP Source Matrix Table.

Main Source \ Pip Source	Composite 1	Composite 2	S-Video	Component 1	Component 2	PC	DVI/HDMI
TV	O	O	O	O	O	O	X
Composite 1	X	O	O	O	O	O	X
Composite 2	O	X	O	O	O	O	X
S-Video	O	O	X	O	O	O	X
Component 1	O	O	O	X	O	O	X
Component 2	O	O	O	O	X	O	X
PC	O	O	O	O	O	X	X
DVI/HDMI	O	O	O	O	O	O	X





## Viewing Picture in Picture

### ● Changing the Screen Size


- Press  to move to "Layout".
- Use  to select the desired size.
- Press  to exit menu.
- or
- Press  button on the remote control.







### ● Selecting Position

- Press  to move to "PIP Adjust".
- Use  to select the desired position.
- Press  to exit menu.
- or
- Press  button on the remote control.











- Sub-screen position can be selected only from the  .

### ● Selecting Sub Screen Sound

- Press  to move to "PIP Audio".
- Use  to select the "Main" or "Sub".
- Press  to exit menu.
- or
- Press  button on the remote control.



- The sound of the sub screen can be selected when PIP is being displayed.

- Press  .
- Use  to move to  .
- Press  to move to "Panel Safety".
- Press  to select.
- Use  to select the desired menu.
- Press  to select.
- Press  to exit menu.



### • Scroll

-On : The screen will move every 10 seconds.

- ① (C → L)    ② (L → C)    ③ (C → U)    ④ (U → C)
- ⑤ (C → R)    ⑥ (R → C)    ⑦ (C → D)    ⑧ (D → C)

-Off : The screen will be in place opposite way of scroll On.

• Color Inversion- Enable signal for preventing image sticking.

### • Power Saving

-Mode 1 : Normal mode.(Default)


-Mode 2 : Supporting high power save mode.



-Mode 3 : Supporting middle power save mode.


-Mode 4 : Supporting low power save mode.



## Auto Volume Level


Press  .

Use  to move to  .

Press  to move to "AVC".


Use  to select the "On" or "Off".



Press  to exit menu.






## Resetting PDP TV Settings


- It resets all of the parameters to the factory default.


Press  .



Use  to move to  .

Press  to move to "Factory Reset".

Press  to select.











Use  to select the "Yes" or "no".

Press  to execute.

※ The PDP TV will be turned off. The parameters will be set to factory default.



















## Setting Time

- Press  .
  - Use  to move to  .
  - Press  to select "Timer" .
  - Press  to select
- 
- Use  to move the desired hour or minutes.
  - Use  ~  to adjust the desired hour or minutes.
  - Use  to select the "AM" or "PM".
  - Press  to exit menu.




## Automatic Power On/Off

- Clock time must be set.




	Setting Time for Power On	Setting Time for Power Off
<p><b>Setting Hour</b></p> <p>Use  to select,</p> <p>Use  ~  digit key to set.</p>		
<p><b>Setting Minute</b></p> <p>Use  to select,</p> <p>Use  ~  digit key to set.</p>		
<p><b>Set AM/PM</b></p> <p>Use  to select,</p> <p> to select the "AM" or "PM"</p>		
<p><b>Set Cancel</b></p> <p>Use  to select,</p> <p> to select the "On" or "Off"</p>		

- To have the TV turn off after you fall asleep

press  button on the remote control.

- It automatically turns off the TV after a designated period of time
- Depending on the number of times the "SLEEP TIME" button is pressed, the TV will be turned off after 30, 60, 90, 120, 150 or 180 minutes.







## Using TV as a Monitor

- Press  button on the remote control.
- Use  to move to "PC".
- Press  to select.



- PC must be turned on in order for you to use the TV as a monitor.

## Adjusting PC Screen

- Press  .
- Use  to move to  .
- Use  to move to "H-Position or V-Position".
- Use  to adjust the setting.
- Press  to exit menu.



## > Custom Mode

- Auto
- H-Position : It moves the image on the screen horizontally.
- V-Position : It moves the image on the screen vertically.

## Trouble shooting

- Do not use other functions that are not mentioned in this user's manual.
- In case a problem occurs with your PDP TV, please take the following steps first.
- If you still have the problem, turn the power off and contact your dealer or an authorized service center.

### ● Screen related Matters

Problem	Action
The screen does not appear.	Is the power plug pulled out? Insert the power plug. Press the power button of the remote controller.
The screen appears too slowly after the power is turned on.	This problem occurs for a brief time in the process of image elimination processing in order to hide temporary screen noise that occurs when the power is turned on. But if the screen does not come after 1 minute contact your dealer or an authorized service center.
Screen is too bright or too dark.	Perform brightness adjustment or Contrast adjustment.
Screen is too large or too small.	Adjust the screen size.
Stripes appear on the screen and it shakes.	Stop using wireless telephones, hair driers and electric drills.
Simultaneous Screen does not appear.	Check that PDP TV and external equipment are connected. Check the inputs of simultaneous screen by pressing sub-screen selection.
The screen does not move.	Press the STILL button. Check if the Pause button is pressed on external equipment.
Computer Input Screen is abnormal.	Perform manual fine adjustment.
Automatic Turn On does not work.	Automatic Turn On function works only when turning the PDP TV off with the remote controller or Standby button.

### ● Sound related issues

Problem	Action
Screen appears, Voice is not heard	<ol style="list-style-type: none"> <li>1. Press the "MUTE" button.</li> <li>2. Increase the sound level by pressing volume adjustment button.</li> <li>3. Check if sound terminal of external input is connected properly.</li> <li>4. Check if audio cables are connected properly.</li> <li>5. If it is on PIP mode, convert audio of main screen and sub-screen by pressing "SOUND SEL".</li> <li>6. Select and check the other input.</li> </ol> <p>If the sound still does not work and the other channels are the same after you have done as the above, contact your dealer or an authorized service center.</p>
Lots of noise (static) occurs.	When connecting a Set-Top-Box, check that it is on stereo broadcasting. If it is, the TV program may not be available or the reception may be bad. Check the audio source with another player. If that source is good, contact your dealer or an authorized service center.

## Trouble shooting Tips

### ● Others

Problem	Action
Remote controller does not work.	<ol style="list-style-type: none"> <li>1. Check if main power is On.</li> <li>2. Check that the batteries of the remote controller were loaded properly.</li> <li>3. Check to see if any obstacle exists between the PDP TV and the remote controller and remove it, if any.</li> <li>4. If the batteries have no power, replace them with two new batteries.</li> </ol>
PDP TV makes strange noise.	It may be due to mechanical expansion or contraction changes such as humidity, temperature, etc. It is not a failure.
PDP TV indication lamp is On.	The red means the Stand-by power is ON. It will take a few seconds to turn off as the main power is off.
Had forgotten Password of V-Chip	Press <b>[3]</b> , <b>[2]</b> , <b>[8]</b> , <b>[2]</b> , <b>[RECALL]</b> buttons on the Remote control in V-Chip function.
Can not select PC mode when D-sub cable is connected to the RGB output of Set-top-box.	D-sub cable not meeting VESA standard. (D-sub No. 10 pin must be grounded) Component Cable can be used if there is an Component Terminal.

- This PDP TV is for household use and registered as harmless on electromagnetic waves.
- Therefore, you can use it in every location as well as residential areas.

### ● Supporting display mode

- Screen is optimal when the resolution is 1280 x 1024/60Hz.

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640 × 480	31.47	60
	37.86	72
	37.50	75
720 × 400	31.47	70
800 × 600	35.15	56
	37.88	60
	48.08	72
	46.88	75
1024 × 768	48.36	60
	56.48	70
	60.02	75
1280 × 1024	63.94	60

### ● Considerations in Installation

- Any input of unsupported resolution the "Out of Range" message appears.

## Supported Display Modes

### ● Component Mode [Y, C<sub>B</sub>(P<sub>B</sub>), C<sub>R</sub>(P<sub>R</sub>)]

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	
720 × 480	15.73	60.00	SDTV, DVD 480i
720 × 480	31.47	59.94	SDTV, 480p
1280 × 720	44.96	59.94	HDTV, 720p
1280 × 720	45.00	60.00	HDTV, 720p
1920 × 1080	33.72	59.94	HDTV, 1080i
1920 × 1080	33.75	60.00	HDTV, 1080i

### ● Specifications

Aspect Ratio	16 : 9
Screen Size (H × V)	708.954(H) × 398.592(V)mm
Resolution	1024 × 768
Cell pitch (H × V)	300 $\mu$ m(H) × 676 $\mu$ m(V)
Displayable Colors	16.7M
Brightness	1200cd/m <sup>2</sup> (w/o filter)
Contrast	10,000:1(MAX)
Viewing Angle	160°
Input signal	NTSC, SD, HD, VGA, SVGA, XGA, SXGA (1280 × 1024 /60Hz)
Tuner	NTSC-M, ATSC
PC Input	Analog RGB, HDMI
AC Input	AC100-240V~, 50/60Hz, 4A (MAX)
Power Consumption	320W (MAX)
Standby Mode	1W

- Any input of unsupported resolution.
- The cabinet design and electronics specifications will be modified without prior notice for improving the performance.

Memo



A large rectangular area with a black border, containing numerous horizontal dotted lines for writing.



# D I G I T A L   A R T