

PLASMA DISPLAY (ÉCRAN PLASMA)



42" PDP TV User's Guide

Téléviseur à plasma de **42** po –Guide de l'utilisateur

42" PDP TV 사용설명서

- Please observe all safety precautions when using this product.
- Please read this manual carefully before using this product.
- Observez toujours les règles de sécurité applicables quand vous utilisez ce produit.
- Lisez attentivement ce manuel avant d'utiliser le produit.
- 제품을 사용하시기 전에 안전사항을 숙지하여 주시기 바랍니다.
- 제품을 사용하시기 전에 사용설명서를 주의 깊게 읽어보시기 바랍니다

CONTENTS

- 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.

	Safety Precautions
	• Power Supply 4 • Installation 5 • Use and Maintenance 6 • Important Safety Instructions 7~9 • Considerations For Usage 10
(User Guidance Information
	• Names of each part(Front View) / Options 11 • Names of each part(Back View) / Accessories 12 • Mounting on a Desktop / Installation Precautions 13 • Installing an Antenna 14 • Remote controller 15~16 • Precautions / How to use remote controller 17
	Connection
	• VCR Connections / Viewing Cable TV
	Powering the PDP TV / Selecting input source

Application

	, ibbiliagion
• Using the V-Chip	
Viewing the Closed Captions / Listening to Stereo Sound / MTS(Multi Television Sou Viewing Picture in Picture	•
Panel Safety / Source Rename	
Auto Volume Level / Resetting PDP TV Settings	
Setting Time Automatic Power On/ Off	
• Automatic Power On/ On	42
	Monitor
Using TV as a Monitor / Adjusting PC Screen	43
Maintenance	and Service
- Iviaintenance	and oct vice
Trouble shooting ·····	44
• Trouble shooting Tips	
Supported Display Modes	46



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.



Installation

Warnings

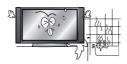
Do not place containers with liquids such as flower vases, soft drink cans, or medicine bottles or small metallic objects on top of the unit.

 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 flamm able 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.



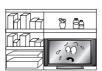
Do not place a burning candle, burning anti-mosquito incense, or lighted cigarette on top of the unit. Do not place the unit near any heat source such as a fireplace or space heater.

 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 resultin 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".

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

 \triangle 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 AV 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.



<u>∧</u>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.
- 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.

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.

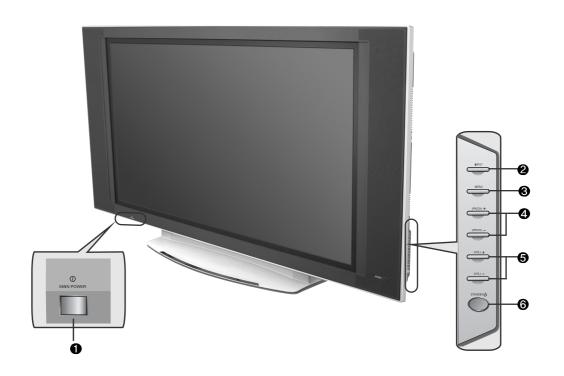
- 1. Lengthy display of still images from video games, banners, graphics and others may fatally damage the screen.
- 2. When using Picture-In-Picture, permanent damage may occur if the sub-image screen stays on the corner of screen for a long time.
- 3. When using the PDP TV in 4: 3 formats with sidebars 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



- Main Power Button
- Please turn off the main power switch, if the PDP TV will not be used for a long period of time.
- 2 Input Button
- Menu Button

- Program/Channel +, Button
- 6 Volume +, Button
- Standby

Options

 To improve the quality of the PDP TV, specification is subject to change without notice. Please contact your dealer for current options available.







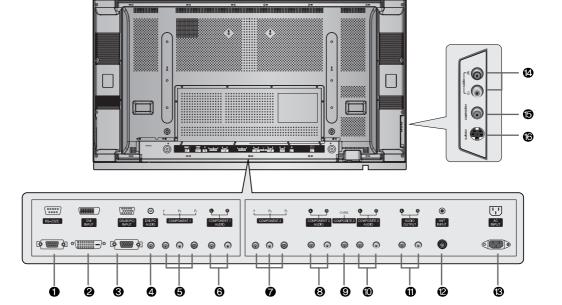
Stand

Ceiling - Mount Bracket

Adjustable - Angle Wall mount

Names of each part

Back View



- **1** RS-232C Terminal
- DVI-D Input Terminal
- **®** RGB PC Input Terminal
- Audio Input Terminal (DVI,PC)
- **6** Component 1 Input Terminal
- **6** Component 1 Audio Input Terminal
- Component 2 Input Terminal
- (3) Component 2 Audio Input Terminal

- © Composite 2 Input Terminal
- © Composite 2 Audio Input Terminal
- Audio Output Terminal
- ANT Input Terminal
- (B) AC Input Terminal
- Audio Input Terminal (Composite 1, S-Video)
- (5) Composite 1 Input Terminal
- S-Video Input Terminal

Accessories

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











Antenna Cable

Power Cord

User's Guide

Remote Control

Battery 1.5V (AAA ×2)

Mounting on a Desktop

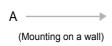


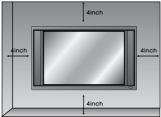
- Your PDP TV can be mounted on a Desktop as shown in the figure above.
- This is not floor-standing unit.

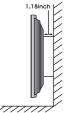
Installation Precautions

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.



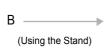


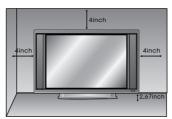


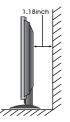
* Contact your dealer to purchase the "Adjustable-angle wall mount" required for wall-mounted installation.

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.

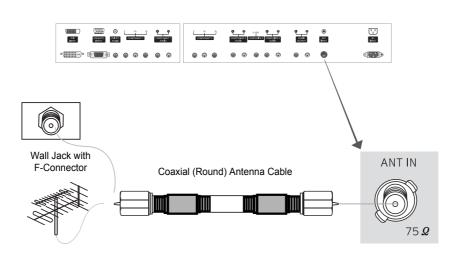






* Please contact your dealer to purchase the "speakers".

Installing an Antenna



Connecting an Outdoor Antenna

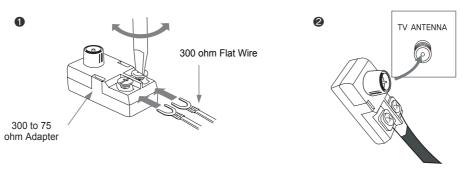
For the best reception, we recommend you use an outdoor antenna.

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.

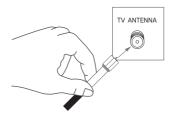
• 300 Ohm Flat Wire

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

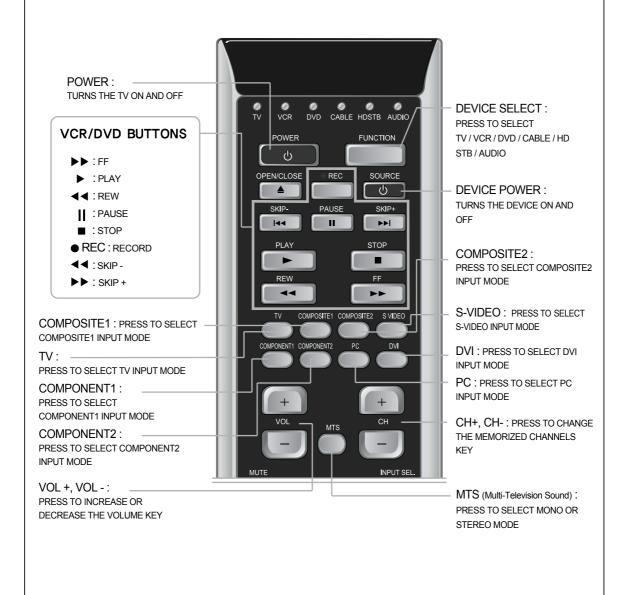
Connect the 75 ohm coaxial cable directly to the 75 ohm antenna jack.



Remote Controller

Functions of remote control buttons

The remote control is using Infra-Red (IR). Point it towards the front of the PDP TV. The remote control may not work correctly if it is operated out of range or out of angle.



Remote Controller



Precautions

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



<u>A</u> CAUTION : Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the national code (Recycling program).

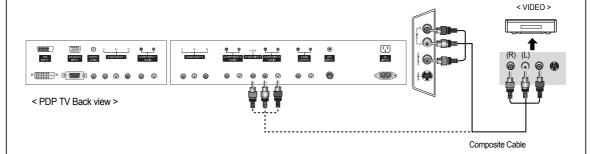
How to use remote controller

- The remote control should be operated within 30 feet (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.

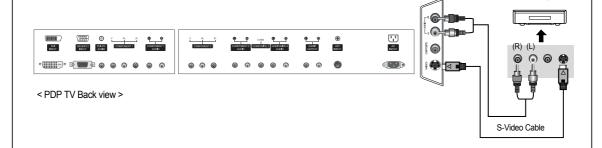
\bigcirc

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



< VIDEO >

* 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

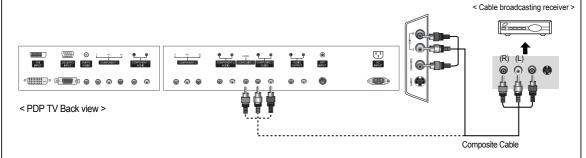


to move to "Composite 1 or 2".

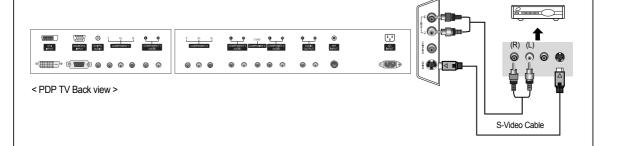
- If S-Video has been connected, select "S-Video".
- 3. Turn on the VCR, insert the tape and press play button.

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

< Cable broadcasting receiver >

1. Turn on the PDP TV and press



on the remote controller.

2. Use



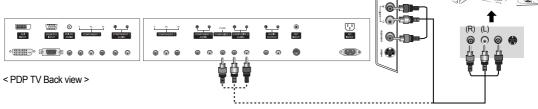
to move to "Composite 1 or 2".

- 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 equipmetns differ by manufacturer and model.

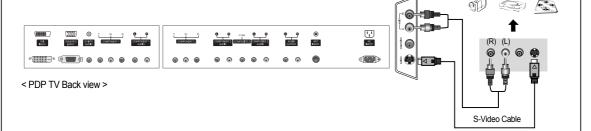
< Camcorder/ Game machine >



Composite Cable

- · 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

< Camcorder/ Game machine >



* 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



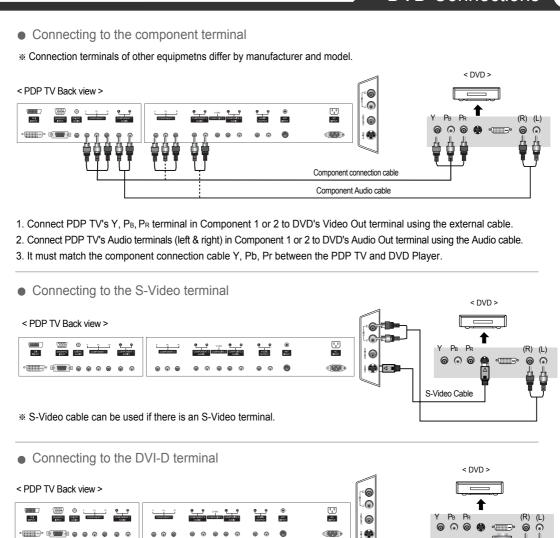
to move to "Composite 1 or 2".

- 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



Playing the DVD

DVI-D Cable





on the remote controller.

2. Use

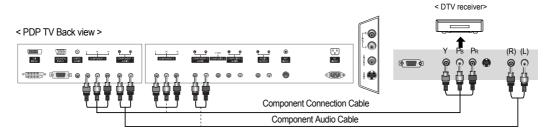


to move to "Component 1 or 2".

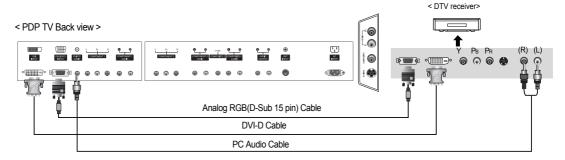
- If S-Video has been connected, select "S-Video".
- · If DVI-D has been connected, select "DVI".
- 3. Turn on the DVD, insert the DVD disc and press Play button.

DTV Connections

- Connecting to the component terminal
- * Connection terminals of other equipmetns differ by manufacturer and model.



- 1. Connect PDP TV's Y, P_B, P_R 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.
- Connecting to the PC/DVI 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

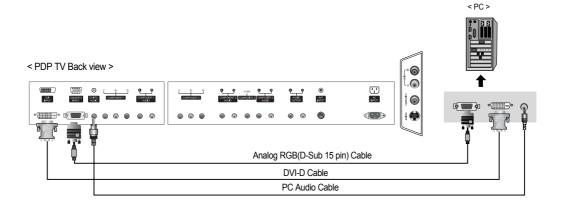


to move to "Component 1 or 2".

- If D-Sub 15 Pin has been connected, select "PC".
- · If DVI-D has been connected, select "DVI".
- 3. Turn on the DTV receiver and select the channel you want.

PC Connections

* Connection terminals of other equipmetns 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-D cable connection.
- \cdot 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





on the remote controller.

2. Use



to move to "PC".

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

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 "Main Power" button of PDP TV and then press the "Standby" button.

To turn the PDP TV off:

Press "Standby" button on the PDP TV and then press the "Main Power" button.

Turning the main power switch off will save energy. It is the same as unplugging the power cord.

If ON Time setting is set, the main power should be ON.

· To turn on/off by remote controller :

Press the "POWER" button of remote controller (If the PDP TV is not turned on, check that the "Main Power" button on the PDP TV main body is turned on. The main power indicator will light up red if turned on).

⚠ CAUTION - After turning off the main Power, please wait at least more than 3 seconds to turn the main power back on.

· 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 equipmetrs 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 TV, you can connect Composite 1 or 2, S-Video, Component1 or 2, PC and DVI to the TV set and enjoy these functions.

Watching TV





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

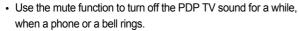


increases the volume.



decreases the volume.









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 "TV Tuner Settings"

Press



to select.

Press



to select to move to "Auto Search".



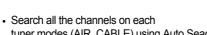




to select "AIR" or "CABLE".











to go back to the previews menu.

tuner modes (AIR, CABLE) using Auto Seach



AIR: Airwaves broadcasting

CABLE: Standard CATV broadcasting