

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This equipment has been tested and found to comply with the limits of a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit which is different from what the receiver is connected to.
4. Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user authority to operate the equipment.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.



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 is intended to alert the user to avoid the risk of electric shock. This equipment must not be disassembled by anyone except qualified service personnel



This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

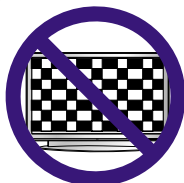
CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

IMPORTANT SAFETY INSTRUCTIONS

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.

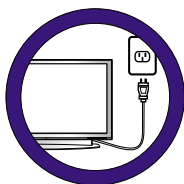
Before operating this equipment, please read this manual completely, and keep it nearby for future reference.



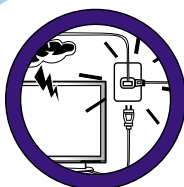
Do not display a still image (such as on a video game or when hooking up a PC to this monitor) on plasma monitor panel for more than 30 minutes as it can cause screen image retention. This image retention is also known as Screen Burn.



- Do not place the equipment on any uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
- Use only a cart or stand recommended by the manufacturer. This equipment and recommended cart or stand should be handled with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart/stand to overturn.



- Do not disable the 3-wire grounding type plug. The grounding pin on the 3-prong plug is an important feature. Removing the grounding pin will increase the risk of damaging the equipment. If you can not fit the plug into the electrical outlet, contact an electrician to install a grounding outlet.
- Always operate this equipment from the type of power source indicated on the rear of the serial/model plate.



- Never overload wall outlets and extensions.
- Use and handle the power cord with care.
- Do not place any heavy objects on the AC power cord.
- Do not pull the AC power cord. Do not handle the AC power cord with a wet hand.
- Do not touch the power cord and antenna cable during lightning.
- Remove the plug from the wall outlet, if the equipment will not be used for a long period of time.



- Do not place, use or handle this equipment near water.
- Never expose the equipment to liquid, rain, or moisture. Seek for service if any of the above is spilled into the equipment.

IMPORTANT SAFETY INSTRUCTIONS



- Do not expose the equipment to extreme temperature or to direct sunlight, as the equipment may heat up and suffer damage.
- Do not install the equipment near any heat sources such as radiators, heat registers, stoves, or any other apparatus that might produce heat.



- Do not attempt to service the equipment yourself.
- Opening and removing the covers may expose you to dangerous voltage or other hazards and may void your warranty. Refer service to qualified personnel.



- Do not place or drop any other objects on top.
- Do not insert anything into the ventilation holes of your equipment. Inserting any metal or flammable objects may result to fire or electric shock.



- Do not place the equipment on uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
- Always place the equipment on the floor or on a surface that is sturdy, level, stable and strong enough to support the weight of the equipment.



- Do not block any ventilating openings. Leave an open space around the equipment.
- Never place the equipment :
 - on a bed, sofa, rug, or any other similar surfaces;
 - too close to drapes/curtains/walls, in a bookcase, built-in cabinet, or any other similar places that may cause poor ventilation.



- Always remove the power cord from the outlet before cleaning the equipment.
- Never use liquid or aerosol cleaners on the equipment. Clean only with a soft dry cloth.

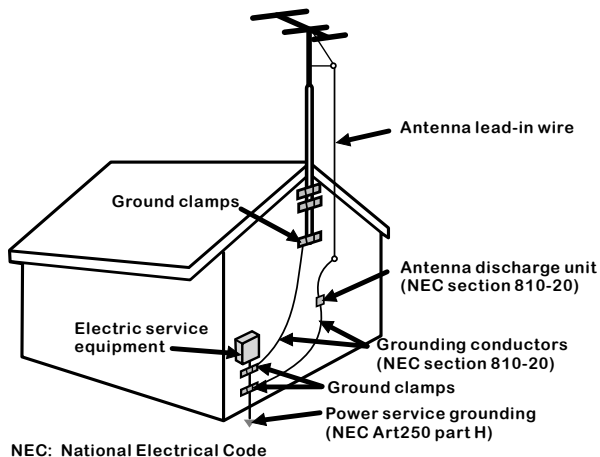
ANTENNA CONNECTION

EXAMPLE OF OUTDOOR ANTENNA GROUNDING

If an outdoor antenna is connected, follow the precautions below:

- **An outdoor antenna should not be located in any area where it could come in contact with overhead power lines, or any other electric light or power circuits.**
- **When installing an outdoor antenna system, extreme caution should be taken to prevent contact with power lines. Direct contact with power lines may be fatal and should be avoided at all costs.**

Section 810 of National Electrical Code (NEC) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



ANTENNA CONNECTION

CABLE TV (CATV) Connector

NOTE TO CATV SYSTEM INSTALLER

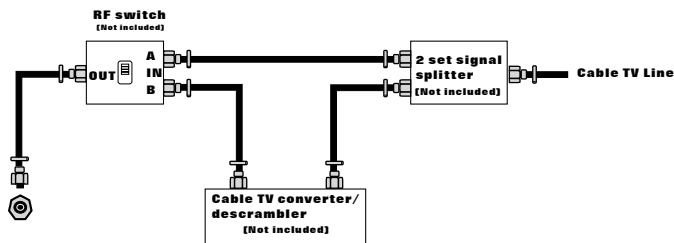
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building accurately, or as close to the point of cable entry as possible. Use of this TV for other than private viewing of programs broadcasted on UHF, VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcast/cable company, and/or program owner.

- **A 75-ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75-ohm coaxial cable to the set, connect the 75-ohm cable into the ANT. terminal.**

- **Some cable TV companies offer premium pay channels. Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company.**

This converter/descrambler is necessary for normal viewing of scrambled channels. (Set your TV to channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company.)

For more specific instructions on installing cable TV, consult your cable TV company. One possible method of connecting the coverter/descrambler provided by your cable TV company is shown in the diagram below.



Please note: The RF switch (not included) is required to provide two inputs (A and B). Setting the RF switch to position A allows viewing of all unscrambled channels by using the TV channel keys. Setting the RF switch to position B allows viewing of all scrambled channels via the converter/descrambler by using the converter channel keys.

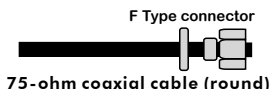
ANTENNA CONNECTION

ANTENNAS

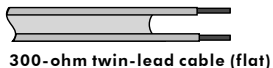
The antenna requirements for good color TV reception are more important than those for a black & white TV reception. For this reason, a good quality outdoor antenna is strongly recommended.

The following is a brief explanation of the type of connection that is provided with the various antenna systems.

- A 75-ohm system is generally a round cable (not included) with F-type connector that can easily be attached to a terminal without tools.



- A 300-ohm system is a flat twin-lead cable (not included) that can be attached to a 75-ohm terminal through a 300-75-ohm adapter (not included).

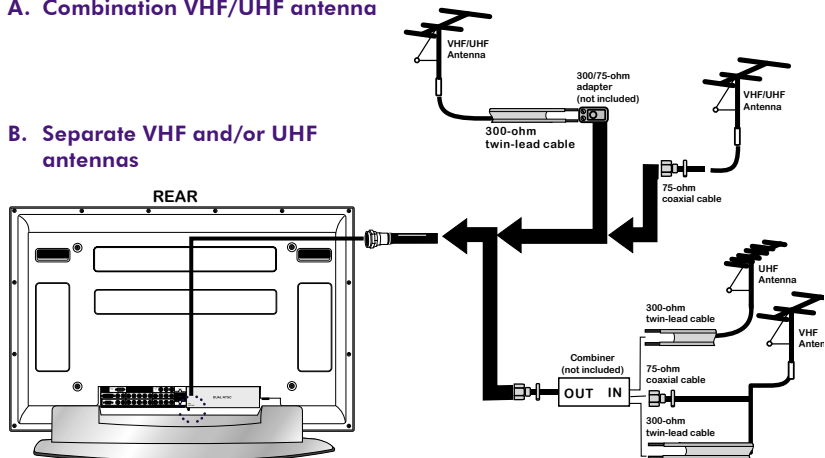


OUTDOOR ANTENNAS

- Use one of the following two diagrams when connecting an outdoor antenna.
 - A: Shows how to use a VHF/UHF combination outdoor antenna.
 - B: Shows how to use a separate VHF and/or UHF outdoor antenna.
- Connect the outdoor antenna cable lead-in to the ANT. terminal located on the rear of the equipment.

A. Combination VHF/UHF antenna

B. Separate VHF and/or UHF antennas



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PREPARATION

Congratulations on the purchase of your PDP TV.

Features

Various Audio/Video terminals for external equipment connection

- 2 sets of A/V input terminals
- 2 sets of S-VIDEO input terminals
- 2 sets of COMPONENT(YCbCr/YPbPr) video input terminals
- 1 set of DVI-D input terminals
- 1 set of RGB input terminals
- 1 set of Audio output terminals
- 1 Stereo with Subwoofer Audio output terminal
- 1 set of Speaker output terminals

Component Video Inputs

- Offer the best video quality for DVD (480p), and digital set-top-box (HD1080i, 720p) connections.

Digital Noise Reduction

- This function can digitally reduce image noise to provide better picture quality.

Digital Visual Interface (DVI-D)

- This interface can accommodate a copy-protected digital connection(HDCP) to other digital set-top boxes that have compatible interfaces.

Film-mode Detection(2:2/3:2 reverse pull down)

- This function can automatically detect the derived from film and adjust the interlacer's frame matching to provide a more natural-looking, clearer image of the moving picture.

Built-in TV tuners with PIP/POP Functionality

- This function allows viewing of video from two different sources simultaneously.

Excellent Audio performance with BBE, SRS WOW(optional)

- The BBE High Definition Sound feature helps restore clarity and presence for better music and speech.
- The SRS WOW feature helps recreate sound the way it was originally intended to be heard.



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is a trademark of SRS Labs, Inc.
WOW technology is incorporated under license from SRS Labs, Inc.

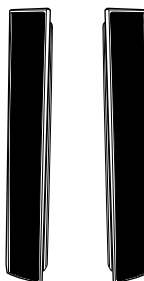
Package Contents

Make sure all of the following contents are included.

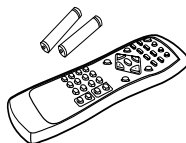
If you are missing any items, please return this product to the original place of purchase.



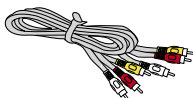
PDP TV



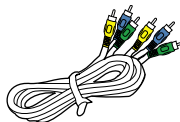
Left/Right Speakers



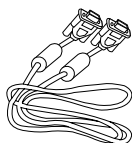
**Remote Control/
AAA Batteries**



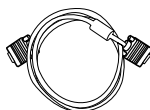
A/V Cable



COMPONENT Cable



D-SUB Cable



DVI-D Cable



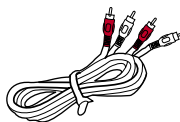
S-VIDEO Cable



POWER Cord



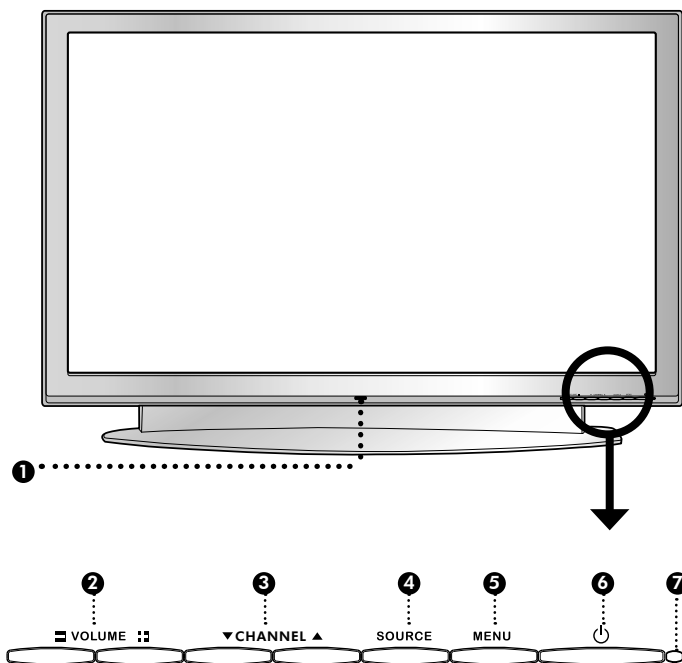
USER GUIDE



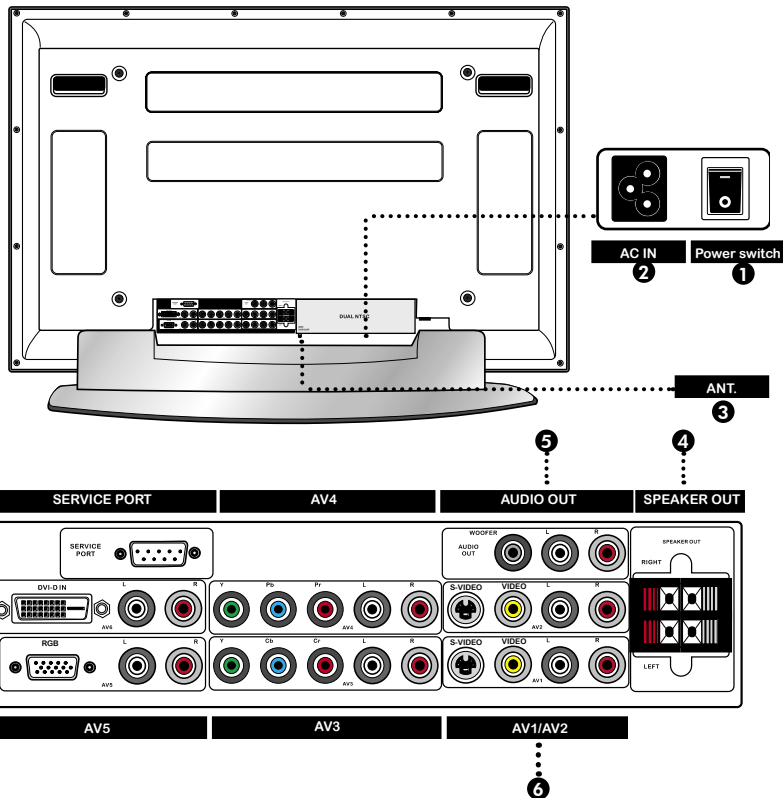
AUDIO Cable

These items are all you need to set up and operate the PDP TV in its basic configuration.

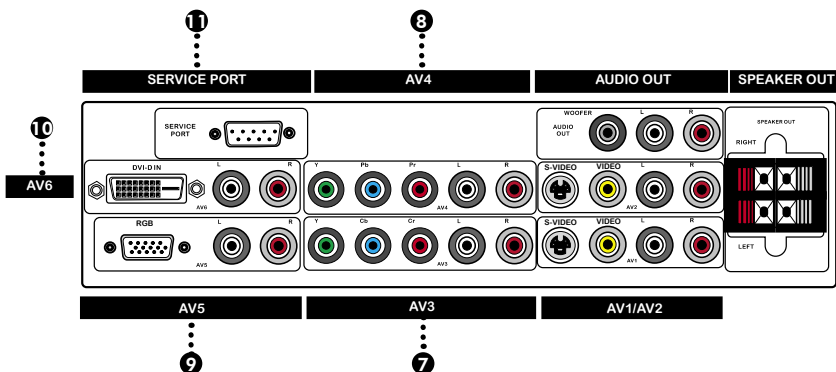
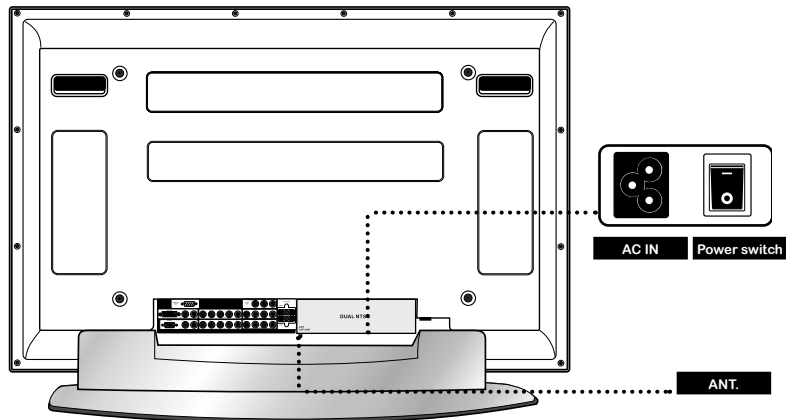
Most devices (VCRs, DVD player, etc.) come with the necessary cable for connection. If you want to set up a complex system, you may need to purchase extra cable, connector, etc.



ITEM	DESCRIPTION
1 IR	Infrared Receiver (IR)
2 VOLUME	Adjusts the volume up and down. Selects the main menu item and changes values for items when in the OSD mode.
3 CHANNEL	Scans up and down through channels. Selects sub-menu item when in the OSD mode.
4 SOURCE	Chooses from different input signal sources.
5 MENU	Press once to display the OSD (on screen display), press again to turn the OSD off.
6 POWER	Turns the PDP TV on and into standby mode.
7 LED	The LED light indicates when the PDP TV is activated (green light indicates on and amber indicates off).

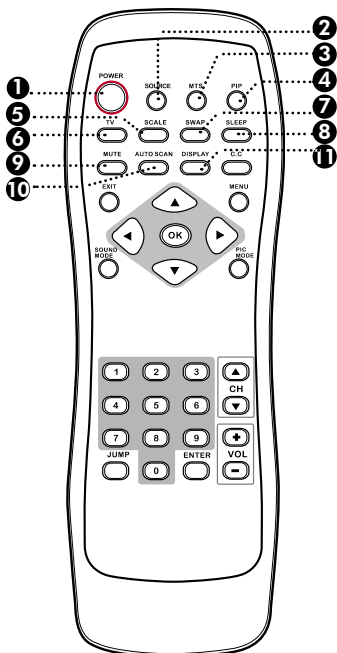


ITEM	DESCRIPTION
1 POWER SWITCH	Turns the PDP TV on and off .
2 AC IN	Connects the AC power cord.
3 ANT.	The RF input that connects to your VHF/UHF antenna or cable.
4 SPEAKER OUT	Connects the left and right audio push terminal to your PDP TV and Speakers
5 AUDIO OUT	Connects to the stereo audio and woofer input jacks of the audio equipment.
6 AV1/AV2 S-VIDEO/VIDEO/AUDIO(L/R)	Connects to the composite A/V output jacks or the on S-VIDEO/Audio output jacks on your video equipment.

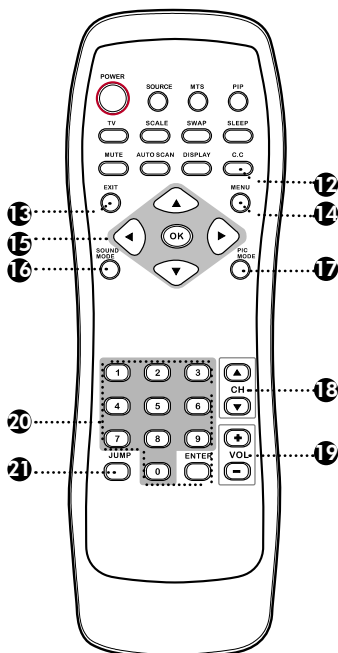


ITEM	DESCRIPTION
7 AV3 YCbCr/AUDIO(L/R)	Connects to the component (Y/Cb/Cr) video and audio(L/R) output jacks of your DVD player, or video equipment.
8 AV4 YPbPr/AUDIO(L/R)	Connects to the component (Y/Pb/Pr) video and audio(L/R) output jacks of your DVD player, HDTV, or video equipment.
9 AV5 RGB/AUDIO(L/R)	Connects the satellite receiver or other AV equipment with D-SUB and audio(L/R) input jacks.
10 AV6 DVI-D IN/AUDIO(L/R)	Connects to a HDTV or other devices with a DVI interface.
11 SERVICE PORT	Please do not use, for technical maintenance only.

- 1 POWER**
Turns the PDP TV on and off.
- 2 SOURCE**
Cycles among the video equipment connected to the video inputs of your PDP TV:
TV/AV1(CV/SV)/AV2(CV/SV)/AV3(YCbCr)/AV4(YPbPr)/AV5(RGB)/AV6(DVI)
- 3 MTS**
Cycles through the multi-channel TV sound(MTS) options: SAP/MONO/STEREO
- 4 PIP**
Turns on and off the PIP/POP function.
- 5 SCALE**
Selects from the following mode:
Normal, Wide, Zoom, Anamorphic, Video Game Zoom, and Fill All.
- 6 TV**
Enters TV Mode.
- 7 SWAP**
Swaps between programs/windows in PIP/POP mode.
- 8 SLEEP**
Sets the PDP TV sleep time.
- 9 MUTE**
Mutes and restores your PDP TV sound.
- 10 AUTO SCAN**
Press the **AUTO SCAN** button. Automatically detects and stores all the active channels in your area. (Press the **OK** button when the dialog box appears)
- 11 DISPLAY**
Displays information on the PDP TV screen such as channel and channel label.

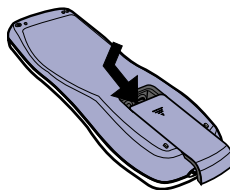


- 12 C.C.**
Press to select from the following CC functions: CC1, CC2, TEXT1, TEXT2, XDS, OFF.
- 13 EXIT**
Exits the OSD menu.
- 14 MENU**
Displays the OSD (on screen display) menu.
- 15 ▲▼▶◀, OK**
Move, select and change OSD options by using the ▲▼▶◀, OK buttons.
- 16 SOUND MODE**
Turns the High Definition Sound (BBE/SRS WOW (optional)/SURROUND) on and off.
- 17 PIC MODE**
Selects picture mode: Normal, Cinema, Dynamic, Nature, and User.
- 18 CH ▲▼**
Scans up and down through channels.
- 19 VOL ▲▼**
Adjusts the volume.
- 20 0-9, ENTER**
Select and switch to a channel by using 0-9 buttons and ENTER.
- 21 JUMP**
Switches back and forth between two channels.

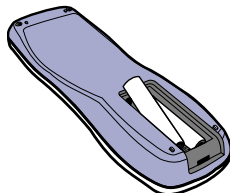


Installing the batteries in your remote control

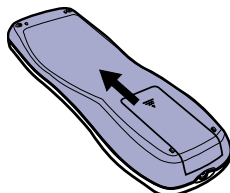
- 1** Slide the back cover up to open the battery compartment of the remote control.



- 2** Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.



- 3** Slide the cover back into place.

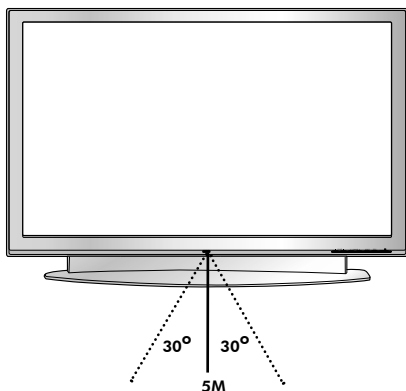


Note :

Do not use caustic cleaners (porcelain, stainless steel, toilet, or oven cleaner etc.) on the remote, as it may suffer damage.

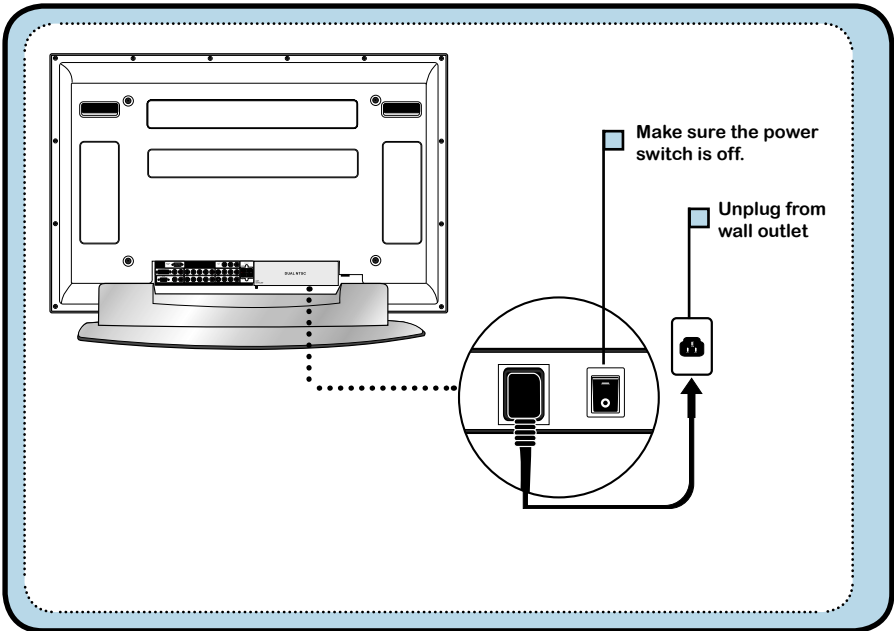
Effective range

The remote can control the PDP TV from up to 5m away, if pointed directly at the receiver.



Using your PDP TV

Always disconnect the PDP TV from the main voltage when the PDP TV will not be used for a long period of time. The **POWER** button on the front panel is only used for switching the PDP TV into standby, it does not disconnect the device from the main voltage. To completely disconnect the main voltage, please switch off the power switch on the rear, or remove the power plug from the socket.

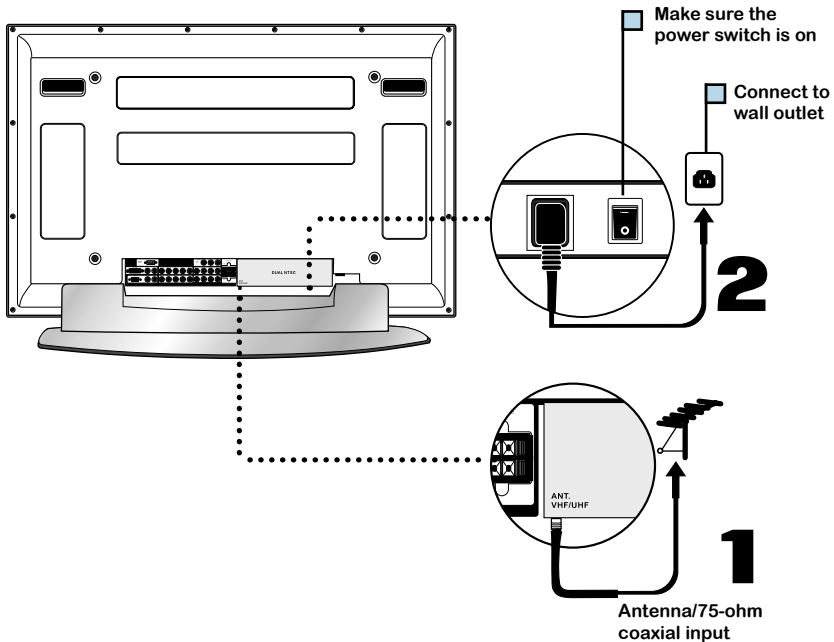


INSTALLATION

Refer to the owner's manual of any external equipment to be connected.
When connecting any external equipment, do not connect any AC power cords to wall outlets until all other connections are completed.

Connecting a TV cable or Antenna

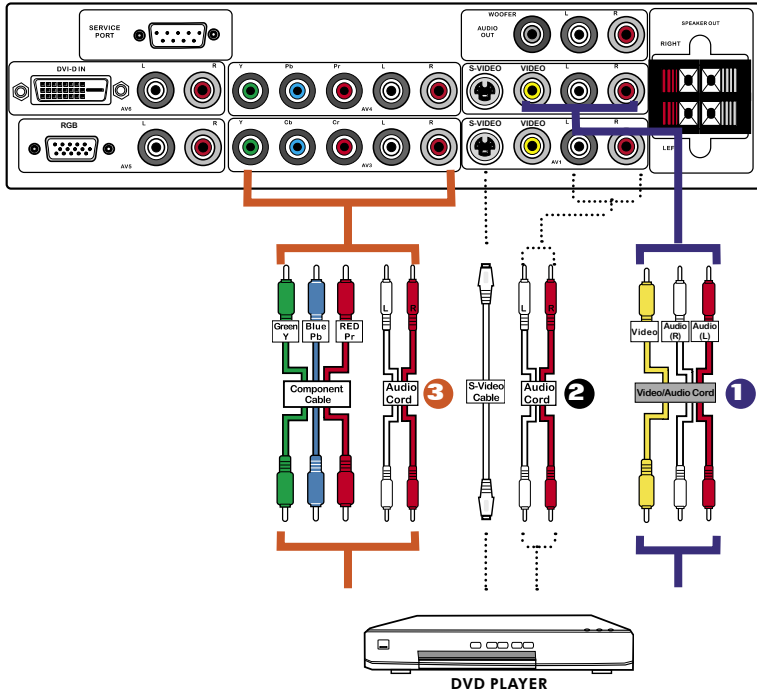
Basic Connection: Connect the supplied antenna cable.



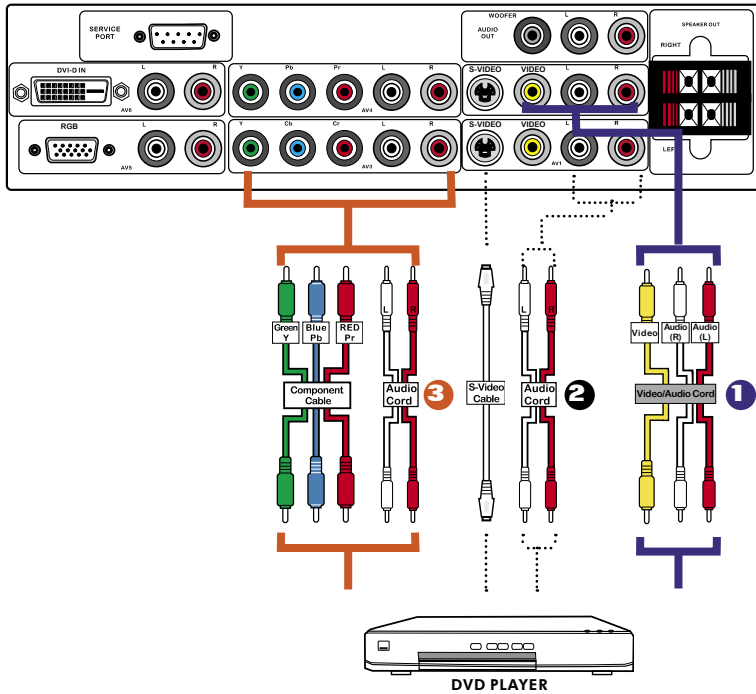
STEP	METHOD
1	Use a supplied antenna cable to connect the VHF/UHF signal to the PDP TV's ANT. terminal.
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	Press the TV button on the remote.

Connecting a DVD Player

For best picture quality, if your equipment has component video output, use component cable instead of a standard video or S-video cable.



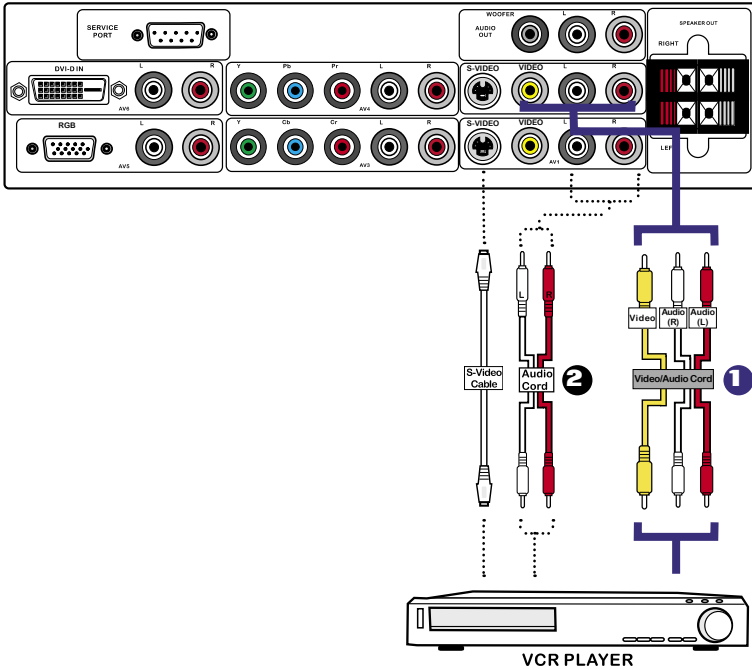
STEP	METHOD 1 for using Composite video/audio jacks
1	Use a composite cable to connect the DVD player's composite video/audio jacks to the PDP TV's composite (AV2) jacks .
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a DVD, press the SOURCE button on the remote repeatedly to select AV2(CV) .



STEP	METHOD 2 for using S-Video jacks
1	Use an audio cable to connect the DVD player's audio output jacks to the PDP TV's audio inputs. Use an S-Video cable to connect the DVD player's S-Video output jack to the PDP TV's S-Video (AV1) input jack.
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a DVD, press the SOURCE button on the remote repeatedly to select AV1(SV) .

STEP	METHOD 3 for using Component jacks
1	Use a component cable to connect the DVD player's component (Y/Cb/Cr) output jacks to the PDP TV's component (AV3) input jacks. Use an audio cable to connect the DVD player's component audio jacks to the PDP TV's audio input jacks.
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a DVD, press the SOURCE button on the remote repeatedly to select AV3(YCbCr) .

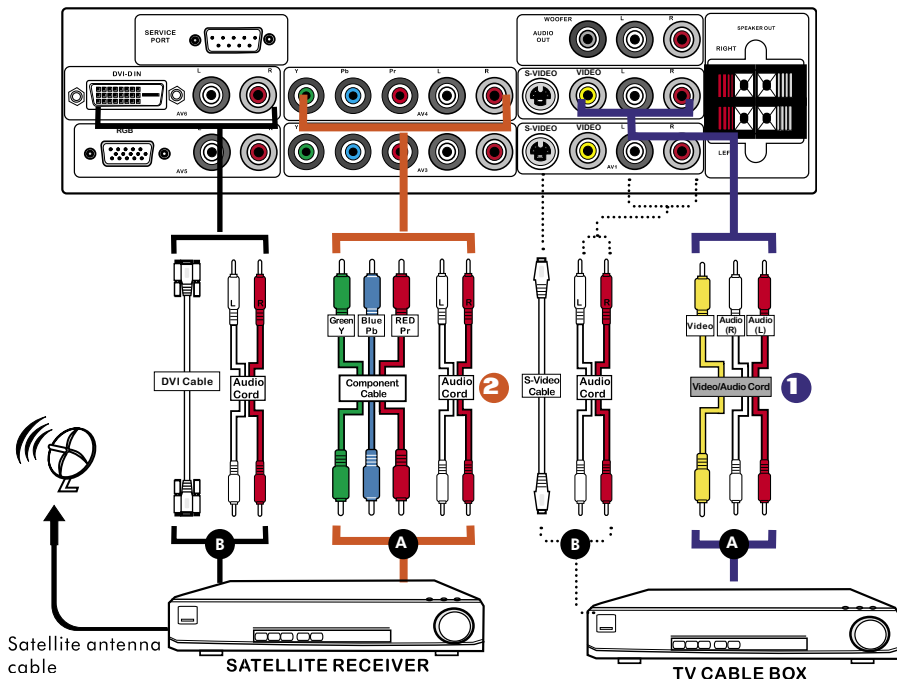
Connecting a VCR



STEP	METHOD 1 for using Composite video/audio jacks
1	Use a composite cable to connect the VCR's composite video/audio jacks to the PDP TV's composite (AV2) jacks .
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a videotape, press the SOURCE button on the remote repeatedly to select AV2(CV) .

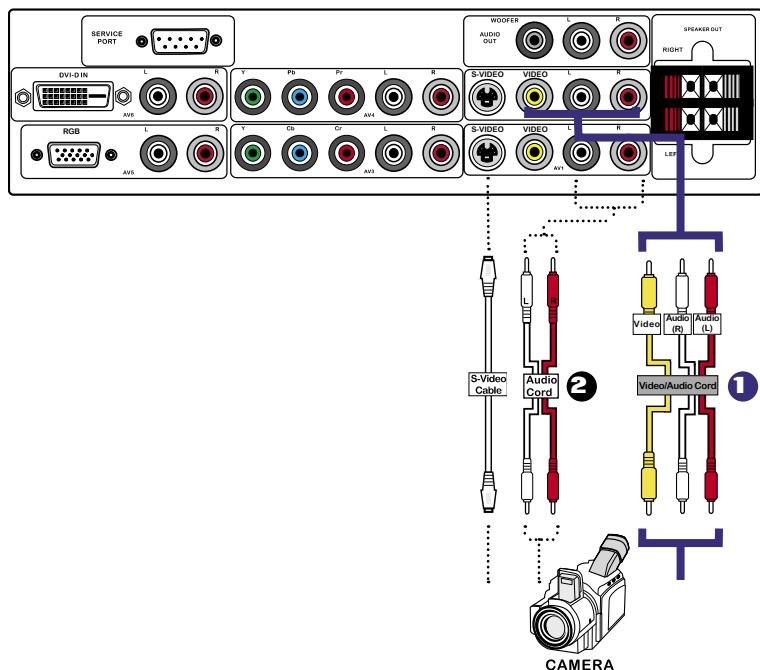
STEP	METHOD 2 for using S-Video jacks
1	Use an audio cable to connect the VCR's audio output jacks to the PDP TV's audio inputs. Use an S-Video cable to connect the VCR's S-Video output jack to the PDP TV's S-Video (AV1) input jack.
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a videotape, press the SOURCE button on the remote repeatedly to select AV1(SV) .

Connecting a TV Box and Satellite Receiver



STEP	METHODS 1 AND 2 for using DVI, COMPONENT, S-VIDEO, COMPOSITE jacks
1	<p>Method A: Use a composite cable to connect the TV cable box's composite video/audio jacks to the PDP TV's composite (AV2) jacks.</p> <p>Method B: Use an audio cable to connect the TV cable box's audio output jacks to the PDP TV's audio inputs. Use an S-Video cable to connect the TV cable box's S-Video output jack to the PDP TV's S-Video input.</p>
2	<p>Method A: Use a component cable to connect the satellite receiver's component (Y/Pb/Pr) output jacks to the PDP TV's component (AV4) input jacks. Use an audio cable to connect the TV cable box's component audio jacks to the PDP TV's audio input jacks.</p> <p>Method B: Use a DVI cable to connect the satellite receiver's DVI output jack to the PDP TV's DVI input (AV6) jack. Use an audio cable to the satellite receiver's audio output jack to the PDP TV's audio input jack.</p>
3	Connect all AC power sources, before turning the PDP TV's power switch on.
4	Press the POWER button on the remote to turn on the PDP TV.
5	To watch TV via TV cable box, press the SOURCE button on the remote repeatedly to select AV2 CV(method A) , or AV1 SV(method B) .
6	To watch programs via satellite receiver, press the SOURCE button on the remote repeatedly to select AV4 (method A) , or AV6 DVI(method B) .

Connecting a VIDEO CAMERA



STEP	METHOD 1 for using Composite video/audio jacks
1	Use a composite cable to connect the video camera's composite video/audio jacks to the PDP TV's composite (AV2) jacks .
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a video via camera, press the SOURCE button on the remote repeatedly to select AV2(CV) .

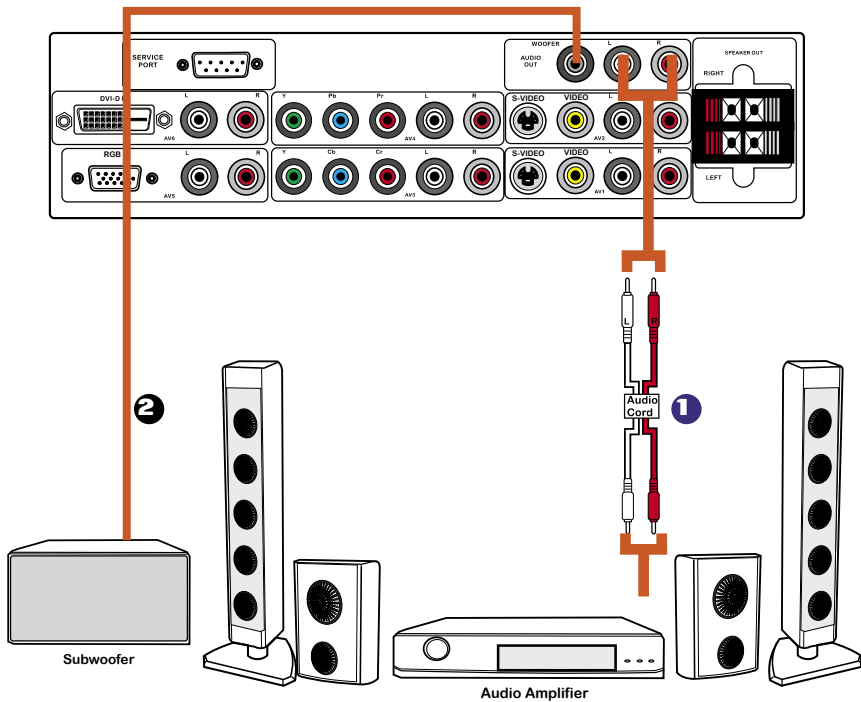
STEP	METHOD 2 for using S-Video jacks
1	Use an audio cable to connect the video camera's audio output jacks to the PDP TV's audio inputs. Use an S-Video cable to connect the video camera's S-Video output jack to the PDP TV's S-Video (AV1) input jack.
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on the PDP TV.
4	To watch a video via camera, press the SOURCE button on the remote repeatedly to select AV1(SV) .

Note:

Not all cameras have the ability to connect to a TV. Please check your video camera user guide for compatibility.

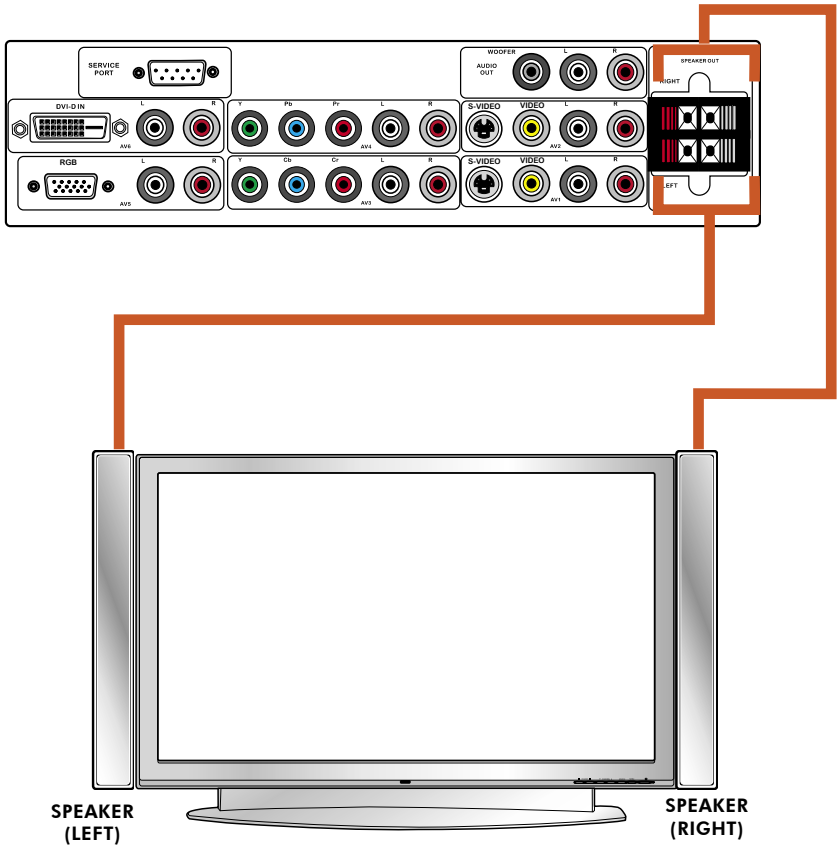
Connecting an Audio Amplifier

For better sound quality, you may want to play the TV audio through your stereo system.



STEP	METHOD using Audio output jacks
1	Use an audio cable to connect the Audio Amplifier's audio input jacks to your PDP TV.
2	Use a monaural audio cable to connect the Subwoofer's audio input jacks to your PDP TV.
3	Connect all AC power sources, before turning the PDP TV's power switch on.
4	Press the POWER button on the remote to turn on your PDP TV.
5	Press the MENU button on the remote to display OSD menu, then press ◀▶ to select the AUDIO option and press ▼.
6	Press ▲▼ to select the item (volume, treble, bass, balance, effect) you want, and use ◀▶ to change the value of the item.

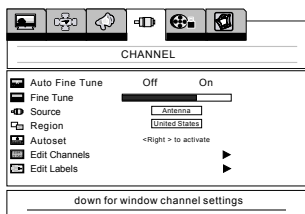
Connecting the Right/left Speakers



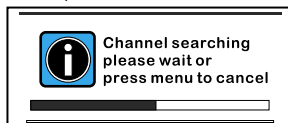
STEP	METHOD
1	Use a speaker line to connect the speaker's input jacks to your PDP TV.
2	Connect all AC power sources, before turning the PDP TV's power switch on.
3	Press the POWER button on the remote to turn on your PDP TV.

USING THE FEATURES

Setting up the Channel List



- 1 With the PDP TV connected to a television programming source, press the **MENU** button on the remote control to display the Menu, and use **◀▶** to select **CHANNEL**.
- 2 Press **▼** to move the highlight bar to **Autoset**.
- 3 Press **▶**, **Autoset** automatically creates a list of receivable channels (the list cannot be created if interrupted).



Press the **MENU** button at any time to interrupt the list creation process.

Editing the Channel List

Allows customization of the list of channels accessed by the **CH▲▼** buttons.

Skipped channels can only be accessed with the 0-9 buttons.

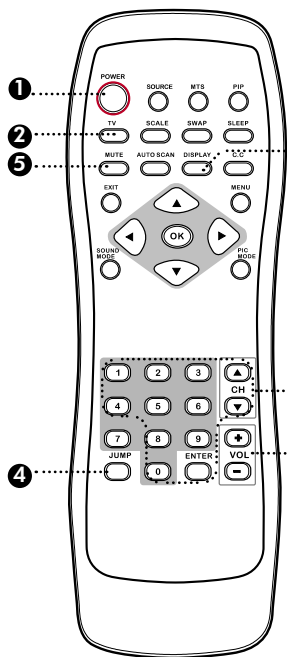
- 1 Press the **MENU** button on the remote, use **▶** to select **CHANNEL**, then press **▼**.
- 2 Press **▲▼** to move the highlight bar to **Edit Channels**.
- 3 Press the **CH▲▼** button to select the channel to be removed, then press **◀▶** to select the the **Remove** option. Repeat the same steps to edit other channels.
- 4 To add the removed channels. Use the 0-9 buttons to choose the channel you wish to add, then repeat steps 1~2 to add the channel.

Editing the Channel Labels

Allows labels to be assigned to channel numbers.

- 1 Press the **MENU** button on the remote, use **▶** to select **CHANNEL**, then press **▼**.
- 2 Press **▲▼** to move the highlight bar to **Edit Channels**, then press **▶** to activate.
- 3 Press the **CH▲▼** button to select the channel to be edited,
- 4 Press **▲▼◀▶** to select the label characters (A~Z), press the **SOURCE** button to clear the edited label. Press the **MENU** button to exit the menu.

Watching Your LCD

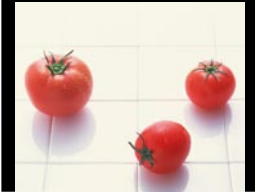


- 1 Press the **POWER** button to turn the PDP TV on.
- 2 Press the **TV** button to enter TV mode.
- 3 Press the **CH▲▼** buttons to change channels, or use the **0-9** buttons to choose a channel, then press the **ENTER** button.
- 4 Press the **JUMP** button to alternate back and forth between two channels.
- 5 Press the **VOL▲▼** buttons to adjust the volume. Press the **MUTE** button to turn the sound off, press again to turn the sound on.
- 6 Press the **DISPLAY** button to display information such as the channel and channel label. Press the **DISPLAY** button again to hide the information.

If the PDP TV does not display any picture, check all the connections.

Wide-Screen Mode

Wide-Screen Mode settings control how 4:3/16:9 aspect ratio broadcasts are displayed. Press the "SCALE" button repeatedly to toggle through the following wide mode settings:



Normal

This mode displays a 4:3 image in its original aspect ratio. The extra space on each side of the screen is filled with black.



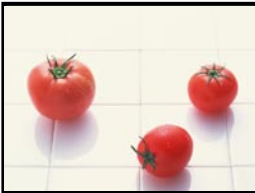
Wide

This mode stretches a 1.85:1 aspect ratio image as necessary to fill the screen.



Zoom

This mode stretches a 2.35:1 image as necessary to fill the screen.



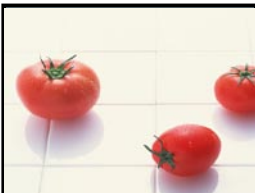
Anamorphic

This mode is for the viewing of DVDs with enhanced 16:9 image. If the original image of the DVD is 4:3, the left and right edges of the image are stretched horizontally to fill the screen, while the center of the image is preserved unchanged.



Video Game Zoom

This mode is for the viewing of video games. It zooms in slightly on the center of the image.



Fill All

Expands the image to fill the screen, while preserving the original aspect ratio.

Using PIP/POP Functions

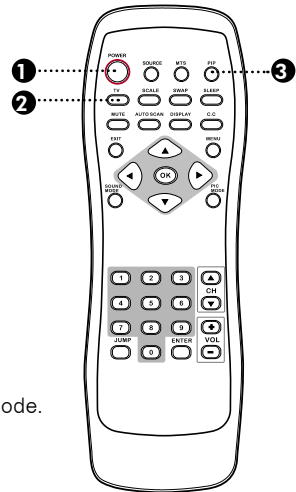
The PIP/POP feature allows simultaneous viewing of video from two sources (TV, VCR, DVD, etc...). Only one source's audio is played at a time; the user may select which source's audio is heard.

1 Press the **POWER** button to turn your PDP TV on.

2 Press the **TV** button.



3 Press the **PIP** button once to enter picture in picture mode.

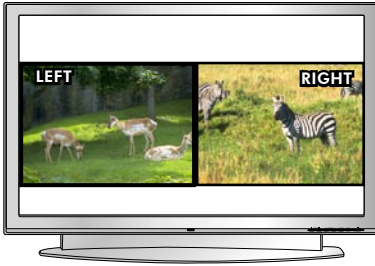


To adjust PIP mode options

- Press ◀ ▶ to toggle the audio source between the main window and the second window.
- Press ◀ ▶ to activate either the main or second window, then press the **SOURCE** button repeatedly to change input source .
- If the input source of the main window is **TV/AV3(YCbCr)/AV1(CV)/AV1(SV)**, the input source of the second window will by default be one of **AV2(CV)/AV2(SV)**.
- Press the **SWAP** button to switch the input sources between the main window and the second window. The input source of the main window can be one of **AV2(CV)/AV2(SV)/AV4(YPbPr)/AV5(RGB)/AV6(DVI)**, and the input source of the second window will be one of **AV1(CV)/AV1(SV)/AV3(YCbCr)/TV**.
- Press the **OK** button and use ◀ ▶ to select the position of the second window.

4

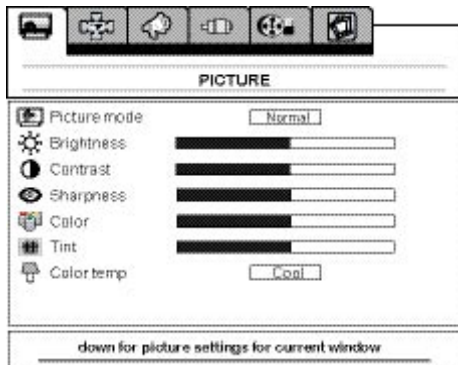
Press the **PIP** button again to view images side by side.



To adjust side by side mode options

- Press ◀ ▶ to toggle the audio source between the right window and the left window.
- Press ▲ ▼ to switch image size between Normal and Fill All. .
- Press ◀ ▶ to activate either the left or right window, then press the **SOURCE** button repeatedly to change the source .
- If the input source of the right window is one of **TV/AV1(CV)/AV1(SV)/AV3(YCbCr)**, the input source of the left window will by default be **AV2(CV)/AV2(SV)/AV4(YPbPr)/AV5(RGB)/AV6(DVI)**. Press the **SWAP** button to switch the input sources between the main window and the second window.

- 1 Press the **MENU** button on the remote control. The main menu will appear on the screen.



- 2 Use ◀▶ to highlight your main menu option, then press ▼ to enter your selected option. Use ▲▼ to highlight an option of the sub-menu. Use ◀▶ to change the value of the item. Press the **EXIT** button to exit the menu.

- 3 The main menu provides access to the following menus:

PICTURE Adjust picture settings such as brightness and contrast.

WINDOW Customize the image size and position.

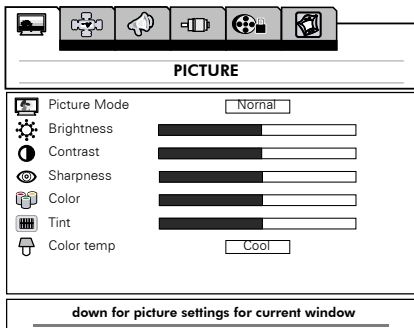
AUDIO Adjust sound options and effects.

CHANNEL Edit and label channels, and set up input source.

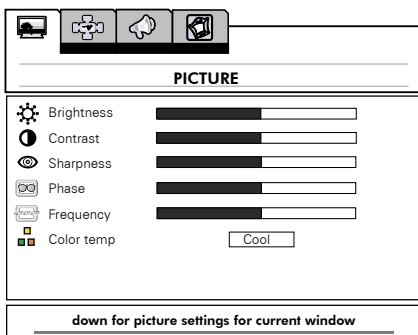
PARENT Set up the PDP TV to block programs b rating levels.

SETTING Set up miscellaneous features, including OSD.

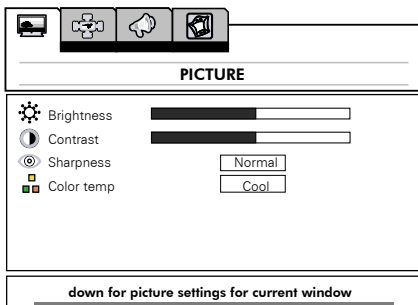
1 If the signal source is **TV/AV1/AV2/AV3(YCbCr)/AV4(YPbPr)**, the OSD displays:



2 If the signal source is **AV5(RGB)**, the OSD displays:



3 If the signal source is **AV6(DVI)**, the OSD displays:

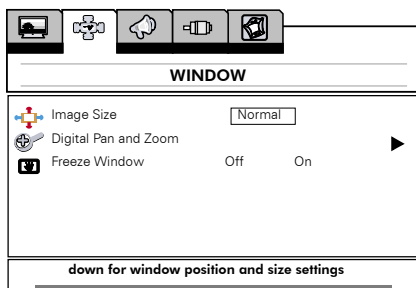


4

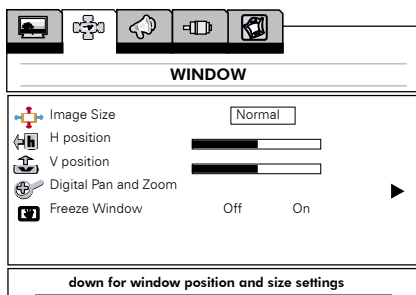
The **PICTURE** menu includes the following options:

OPTION	DESCRIPTION
Picture mode	This setting controls the overall appearance of the picture, and is chosen from among the following options: Normal, Cinema, Dynamic, Nature and User
If 'Picture mode' is set to 'User Mode', the following options may be adjusted according to personal preference; all settings are saved.	
Brightness	Controls the overall brightness of the picture.
Contrast	Controls the difference between the brightest and darkest regions of the picture.
Sharpness	Increase this setting to see crisp edges in the picture; decrease it for soft edges.
Color	Controls the colour intensity
Phase	Changes focus clarity and image stability.
Frequency	Changes picture frequency.
Color temp	Controls the red, green and blue components of the picture's white colour. Warm : gives the white colour a red tint. Nature : gives the white colour a balanced tint. Cool : gives the white colour a blue tint. User Color Temp. : adjusts the colour value manually.

1 If the signal source is **TV/AV1/AV2/AV3(YCbCr)/AV6(DVI)**, the OSD displays:



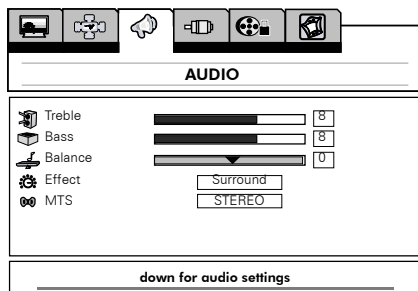
2 If the signal source is **AV4(YPbPr)/AV5(RGB)**, the OSD displays:



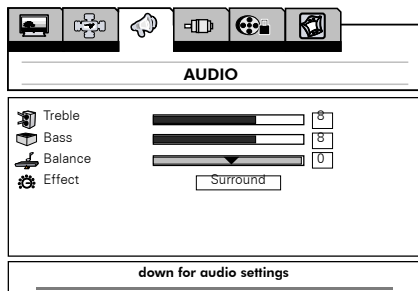
3 The **WINDOW** menu includes the following options:

OPTION	DESCRIPTION
Image Size	Allows to adjust the picture size (see page:29): Normal, Wide, Zoom, Anamorphic, Video Game Zoom, or Fill all.
H Position	Allows to move the horizontal position of the picture.
V Position	Allows to move the vertical position of the picture.
Digital Pan and Zoom	Allows you to adjust to zoom picture out. Press ▲▼ to select zoom percentage, then press the OK button . Use ▲▼◀▶ to move the area you want to magnify, Press the OK button to select zoom percentage. Press the EXIT button on the remote to exit .
Freeze Window	Allows to freeze the picture.

1 If the signal source is **TV**, the OSD displays:



2 If the signal source is **AV1/AV2/AV3(YCbCr)/AV4(YPbPr)/AV5(RGB)/AV6(DVI)**, the OSD displays:



3

The **AUDIO** menu includes the following options:

OPTION	DESCRIPTION
Treble	Controls the relative intensity of higher-pitched sounds.
Bass	Controls the relative intensity of lower-pitched sounds.
Balance	Adjusts the relative volume of the speakers in a multiple-speaker system.
Effect	<p>Allows selection of an audio-enhancement technique from among the following options (for stereo programs only).</p> <p>Surround :Widens and deepens the audio field.</p> <p>BBE (Barcus-Bery Electronics): Recreates the natural sound and improves sound clarity.</p> <p>SRS WOW (Optional): Recreates sound the way it was originally intended to be heard.</p> <p>OFF : Disables these audio effects.</p> <p>•You can also press the SOUND MODE button repeatedly to select.</p>
MTS	<p>Allows you to listen to high-fidelity stereo sound while watching TV.</p> <p>STEREO: Use separate audio tracks for left and right speakers, if available.</p> <p>SAP: You can enjoy a second audio program from the speakers while watching a scene in the original program.</p> <p>Mono:Use a single audio track for left and right speakers. This option is useful if the stereo sound is noisy.</p> <p>•Pressing the MTS button repeatedly to cycle through these options.</p>



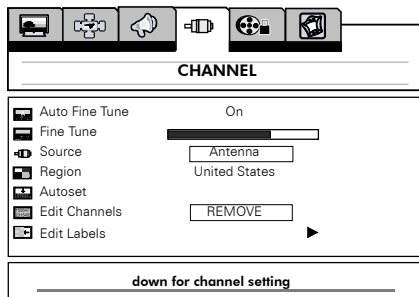
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CHANNEL Menu

1 If the signal source is **TV**, the OSD displays:



2 The **CHANNEL** menu includes the following options:

OPTION	DESCRIPTION
Auto Fine Tune	Allows improvement of the picture quality by turning the Auto Fine Tune on or off.
Fine Tune	Allows adjustment for the fine tune level by hand if signal is too weak or picture is blurry.
Source	Allows you to choose the antenna or cable signal. Antenna: If you are receiving TV channels with an antenna. Cable: If TV Channels are received with a CATV cable. The Cable system can be selected from the following modes: STD, HRC, IRC.
Region	Select a TV system from the country: Canada/Japan/United State/Taiwan
Autoset	Automatically creates a list of receivable channels (refer to page 27).
Edit Channels	Adds/removes channels.
Edit Labels	Edit the channel labels.

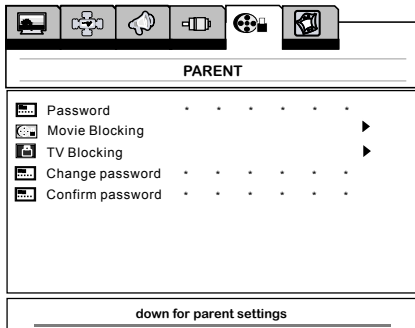
PARENT Menu

The US has 2 rating system for viewing content: **Movie Blocking** and TV Blocking. The **TV Blocking** conjuncts with the V-CHIP to help parents block inappropriate programs from their children.

The **Movie Blocking** is used for original movies rated by the Motion Picture Association of America (MPAA) as broadcasted on cable TV and not edited for television. The V-CHIP can also be set to block MPAA-rated movies.

1 If the signal source is **TV**, the OSD displays:

2 Use the **PARENT** function, must enter a six-digit password.



3 The factory password is 000000.

4 The **PARENT** menu includes the following options:

To setup Movie Blocking:

Movie Rating System	
RATING	DESCRIPTION
G	General Audiences. Movie is appropriate for all ages.
PG	Parental Guidance Suggested. May contain material not suited for younger viewers
PG-13	Contains content that may not be appropriate for viewers under the age of 13.
R	Restricted. Contains adult content, no one under 17 admitted without parent.
NC-17	No one 17 and under admitted.
X	No one 17 and under admitted.

- 1** You can set up the TV to block movies by entering your six-digit password.
- 2** Press **▲▼◀▶** to select the rating you want and press the **OK** button, press again to unlock.

To setup TV Blocking:

The TV Blocking has 2 rating methods: Content-Based Rating and Age-Based Rating.

AGE-BASED	
RATING	DESCRIPTION
Y	All children
Y7	Directed to children age 7 and older
G	General Audience
PG	Parental Guidance suggested
14	Parents strongly cautioned
MA	Mature Audience only

CONTENT-BASED	
RATING	DESCRIPTION
FV	Fantasy violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence

		CONTENT-BASED				
		FV	D	L	S	V
AGE-BASED	TV-Y					
	TV-Y7	√				
	TV-G					
	TV-PG		√	√	√	√
	TV-14		√	√	√	√
	TV-MA			√	√	√

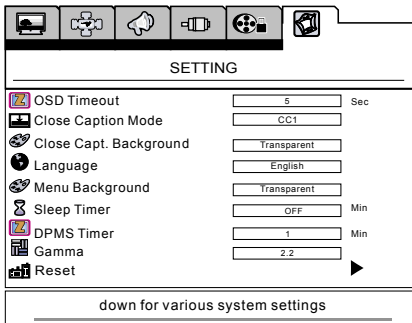
√ : To block programs by both content and age.

- 1 You can set up the TV to block movies by entering your six-digit password.
- 2 Press ▲▼◀▶ to select the rating you want and press the **OK** button, press again to unlock.

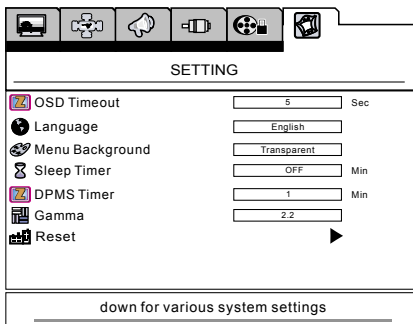
To setup new password:

- 1 The factory password is 000000. Press ▶, and enter the factory password, then press the **OK** button on remote control.
- 2 Press ▼ to select **Change Password** and use the 0~9 buttons to enter a new six-digit password.
- 3 Press ▼ to select **Confirm** and enter the new six-digit password again.

- 1** If the signal source is **TV/AV1(CV)/AV2(CV)/AV3(YCbCr)/AV4(YPbPr)**, the OSD displays:



- 2** If the signal source is **AV1(SV)/AV2(SV)/AV5(RGB)/AV6(DVI)**, the OSD displays:



3

The **SETTING** menu includes the following options:

OPTION	DESCRIPTION
OSD Timeout	Allows selection of the display time of the on-screen menu : 5, 15, 60 seconds, or off.
Close Caption Mode	Allows selection of the closed caption modes: CC1 /CC2 : Displays a printed version of the dialog or sound effects of the program. TEXT1/TEXT2 : Displays station information presented using either half or the whole screen. XDS : Extended Data Services. For example: Network name, program name, program length etc..
Close Capt. Background	Controls the translucence of the Closed Caption's background.
Language	Allows selection of the language used on all the on-screen menus.
Menu background	Controls the translucence of the on-screen menus's background.
Sleep timer	Allows selection of the time that elapses before the TV shuts off automatically: Off/30/60/90/120 minutes.
DPMS Timer	Allows selection of the time that elapses before the TV turns off automatically if no input signal is detected.
Gamma	Allows adjustment of the display's gamma correction, which fine-tunes both brightness and red/green/blue ratios.
Reset	Press ► to restore the factory settings.

TROUBLESHOOTING

Before consulting service personnel, check the following chart for a possible cause of the trouble and for a possible solution.

PROBLEM	SOLUTION
TV will not turn on	<ul style="list-style-type: none"> • Make sure the power cord is plugged in, then press the POWER button on the remote. • The batteries in the remote control may be exhausted; replace the batteries.
No picture, no sound	<ul style="list-style-type: none"> • Check the interface cable between TV and antenna/cable TV source. • Make sure the power cord is plugged in, then press the POWER button on the remote. • Press the TV button on the remote, then press the SOURCE button repeatedly to select one of the connected video sources.
Poor picture, sound OK	<ul style="list-style-type: none"> • Check the interface cable between TV and antenna/cable TV. • Try another channel, the station may have broadcast difficulties. • Adjust the Brightness/Contrast options in the PICTURE Menu.
Picture OK, Poor sound	<ul style="list-style-type: none"> • Sound may be muted. Press the MUTE button on the remote. • Press the TV button on the remote, then press the VOL+ button to increase the volume.
Audio noise	<ul style="list-style-type: none"> • Move any infrared equipment away from the TV.

SPECIFICATIONS

Panel System	42 inch Active Matrix
Display Resolution	SD: 852 pixels(horizontal) x 480 pixels (vertical) HD:1024 pixels(horizontal) x 768 pixels (vertical)
Number of Colors	16.77 mil.
Viewing Angle	170 ^o /170 ^o
Inputs /Outputs	
AV1 S-VIDEO/VIDEO/AUDIO(L/R)	1
AV2 S-VIDEO/VIDEO/AUDIO(L/R)	1
AV3 YCbCr/AUDIO(L/R)	1
AV4 YPbPr/AUDIO(L/R)	1
AV5 RGB/AUDIO(L/R)	1
AV6 DVI-D/AUDIO(L/R)	1
AUDIO OUT (L/R)	1
SUBWOOFER OUT	1
TV	1
SPEAKER OUT	10W x 2
POWER SOURCE	100-240V,50/60hz
DIMENSION (MAIN UNIT)	40.9 inch (W) x 25.4 inch (H) x 3.4 inch (T)
(W/STAND)	40.9 inch (W) x 29.2 inch (H) x 10.6 inch (T)
(W/STAND,SPEAKERS)	49.8 inch (W) x29.2 inch (H) x 10.6 inch (T)
WEIGHT (MAIN UNIT)	88.7 lbs
(W/STAND)	100.8 lbs
(W/STAND,SPEAKERS)	113.3 lbs

DISPLAY MODE

The screen image has been optimized during manufacture for the display modes listed below.

Video signal: (IBM PC/AT)

Dot X Line	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640 x 480	31.469	59.940
	35.000	70.000
	37.861	72.809
	37.500	75.000
800 x 600	35.156	56.250
	37.879	60.317
	46.875	75.000
1024 x 768	48.363	60.004