42" Plasma Monitor
PLA-4205

Operating Manual
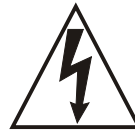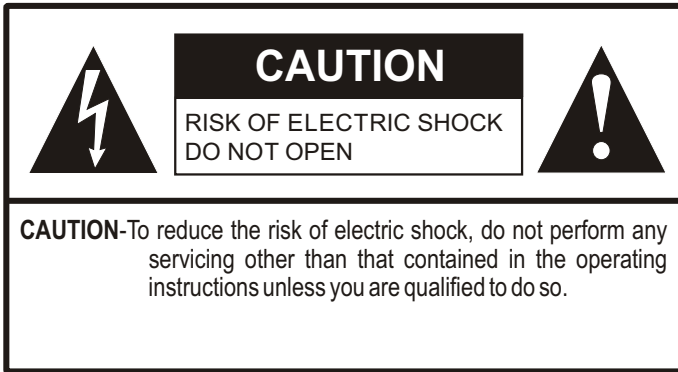
Polaroid

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WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION-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.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eia.org

FCC STATEMENT

FCC Notice

PDP Monitor: A CLASS B digital device

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 commercial environment.
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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC CAUTION:

Pursuant to 47CFR, Part 15.21 of the FCC rules, any changes or modifications to this monitor not expressly approved by the manufacturer could cause harmful interference and would void the user's authority to operate this device.

WARNING: This is a CLASS B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures to counter interference.

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Important Safety Precautions

Electrical energy can perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your PDP monitor product, please read the following precautions carefully before using the product.

1. Read these instructions---All operating instructions must be read and understood before the product is operated.

2. Keep these instructions---These safety and operating instructions must be kept in a safe place for future reference.

3. Heed all warnings---All warnings on the product and in the instructions must be observed closely.

4. Follow all instructions---All operating instructions must be followed.

5. Do not use this apparatus near water---for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
Do not use immediately after moving from a low temperature to high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.
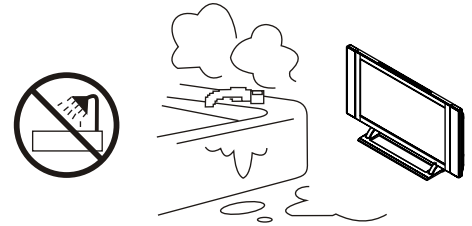
6. Clean only with dry cloth---Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
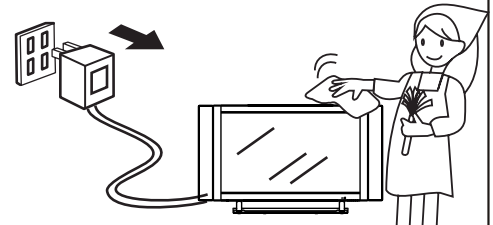
7. Ventilation---Do not block any ventilation openings. Install in accordance with the manufacturer instructions. The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
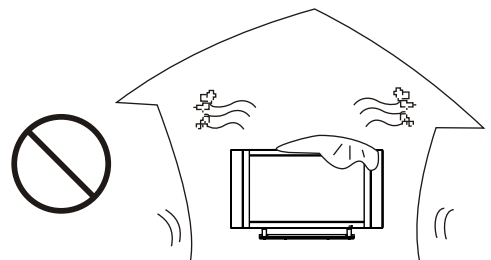
8.Heat sources---Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
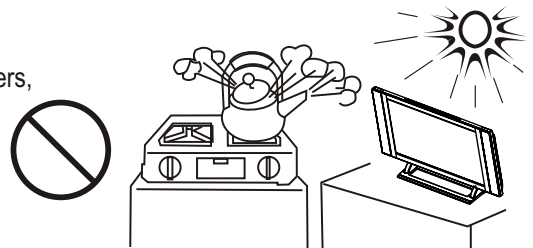
9.Grounding or Polarization---Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10.Power cord protection---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.Attachments---Only use attachments/accessories specified by the manufacturer. Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.

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12. Stand---Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. Do not place the product on an unstable trolley, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting inserious personal injuries as well as damage to the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
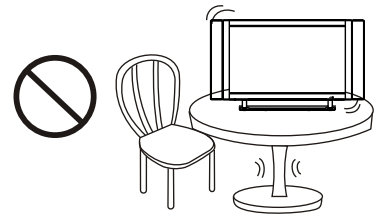
13. Move carefully---When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.

14. Lightning---Unplug this apparatus during lightning storms or when unused for long periods of time.
For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.
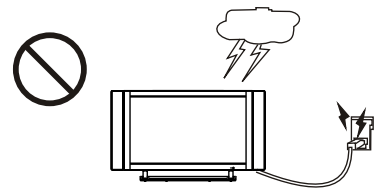
15. Servicing---Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

16. Replacement parts---In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.

17.Overloading---Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.

18.Entering of objects and liquids---Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.

19.Damage requiring service---If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
a. When the power cord or plug is damaged.
b. When a liquid is spilled on the product or when objects have fallen into the product.
c. When the product has been exposed to rain or water.
d. When the product does not operate properly as described in the operating instructions.
Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
e. If the product has been dropped or the cabinet has been damaged in any way.
f. When the product displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the product indicates that the product needs servicing.

20.Safety checks---Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.

21.Wall or ceiling mounting---When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety feature.

Important Safety Precautions (continued)

22. Power source---This product is intended to be supplied by a listed power supply indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power line surges. When the unit has to be used with another power supply voltage, the power cable must be changed. Consult your product dealer. The socket outlet should be installed near the equipment and easily accessible. Use only the power cord designated by our dealer to ensure safety and EMC. When connecting other products such as VCRs and personal computers, you should turn off the power of the unit for protection against electric shock.

23. Panel protection---The PDP panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces in case the PDP panel breaks.
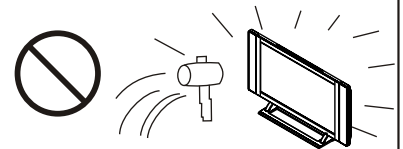
24. Pixel defect---The PDP panel is a very high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

Using the Remote Control

■ Use the remote control by pointing it towards the remote sensor window of the set. Objects between the remote control and sensor window may prevent proper operation.

Note: This illustration is for reference only. The remote sensor may be in different locations on different models.
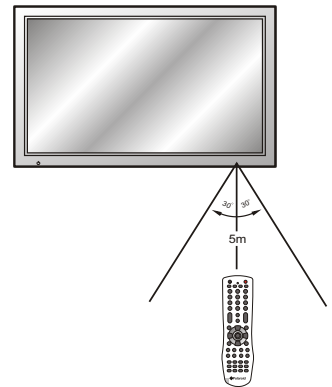
Cautions regarding use of remote control

■ Do not expose the remote control to shock. In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.

■ Do not install or place the remote control under direct sunlight. The heat may cause deformation of the unit.

■ The remote control may not work properly if the remote sensor window of the main unit is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or PDP monitor set, or operate the remote control closer to the remote sensor window.

Batteries for the Remote Control

1 Open the battery cover.
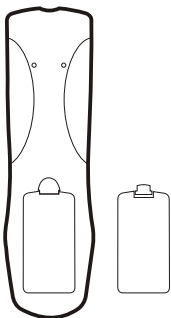
2 Insert two size-AA batteries.
■ (Place the batteries with their terminals corresponding to the (+) and (–) indications in the battery compartment.)
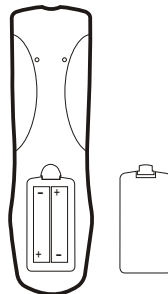
3 Replace the cover.
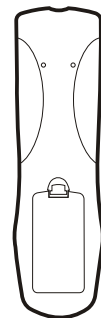
Precaution on battery use

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

■ Place batteries with their terminals corresponding to the (+) and (–) indications.

■ Different types of batteries have different characteristics. Do not mix batteries of different types.

■ Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.

■ Remove batteries as soon as they are non-operable. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe with a cloth.

■ The batteries supplied with the product may have a shorter life expectancy due to storage conditions.

■ If the remote control is not used for an extended period of time, remove the batteries from the remote control.

Power connection
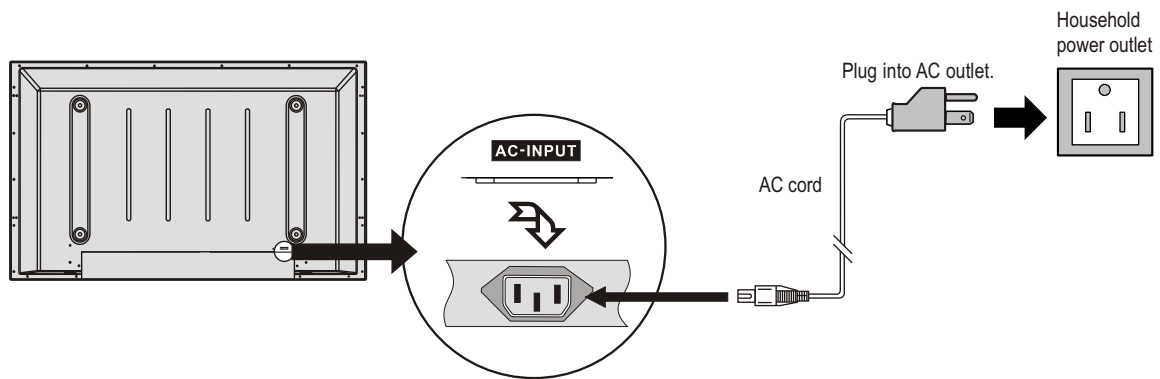
1. Connecting the female plug to the AC socket on the unit.
2. Connecting the male plug to the wall outlet as illustrated.

Note:
- *This product should be operated only from the type of power source indicated on the marking label.*
- *Always unplug the AC cord from power outlet when not using for a long period of time.*

AC-INPUT

Household power outlet

Plug into AC outlet.

AC cord

Speaker connection

(Black)
(Red)

SPEAKER

(Black)
(Red)

Right speaker Left speaker
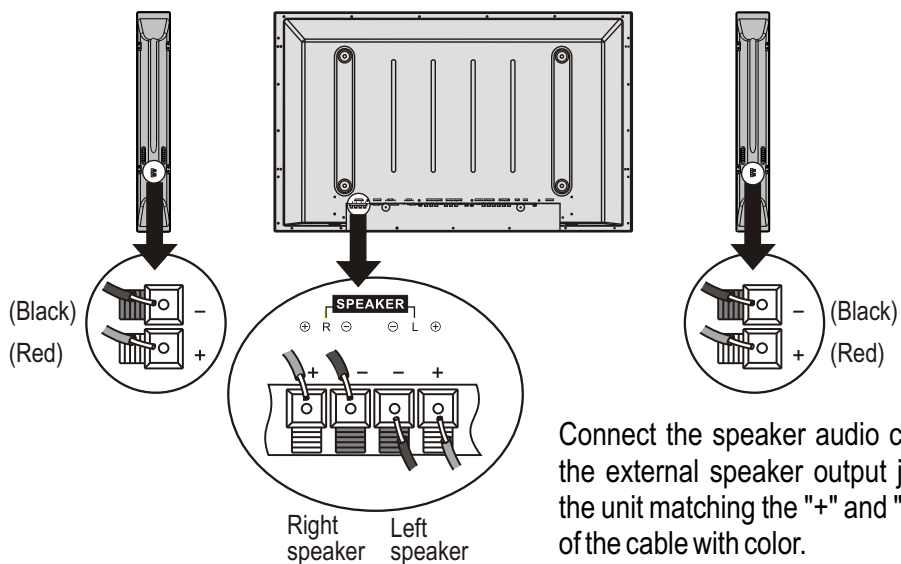
Connect the speaker audio cable to the external speaker output jack on the unit matching the "+" and "-" ends of the cable with color.

Note: the illustration may be different depending on model.

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Identification of Controls

Main unit (front view)

REMOTE SENSOR

POWER INDICATOR
A blue indicator lights when the power is on and a red
indicator lights when in the standby mode.

BOTTOM VIEW

POWER ON/STANDBY

MENU

VOLUME DOWN/UP

DOWN/UP
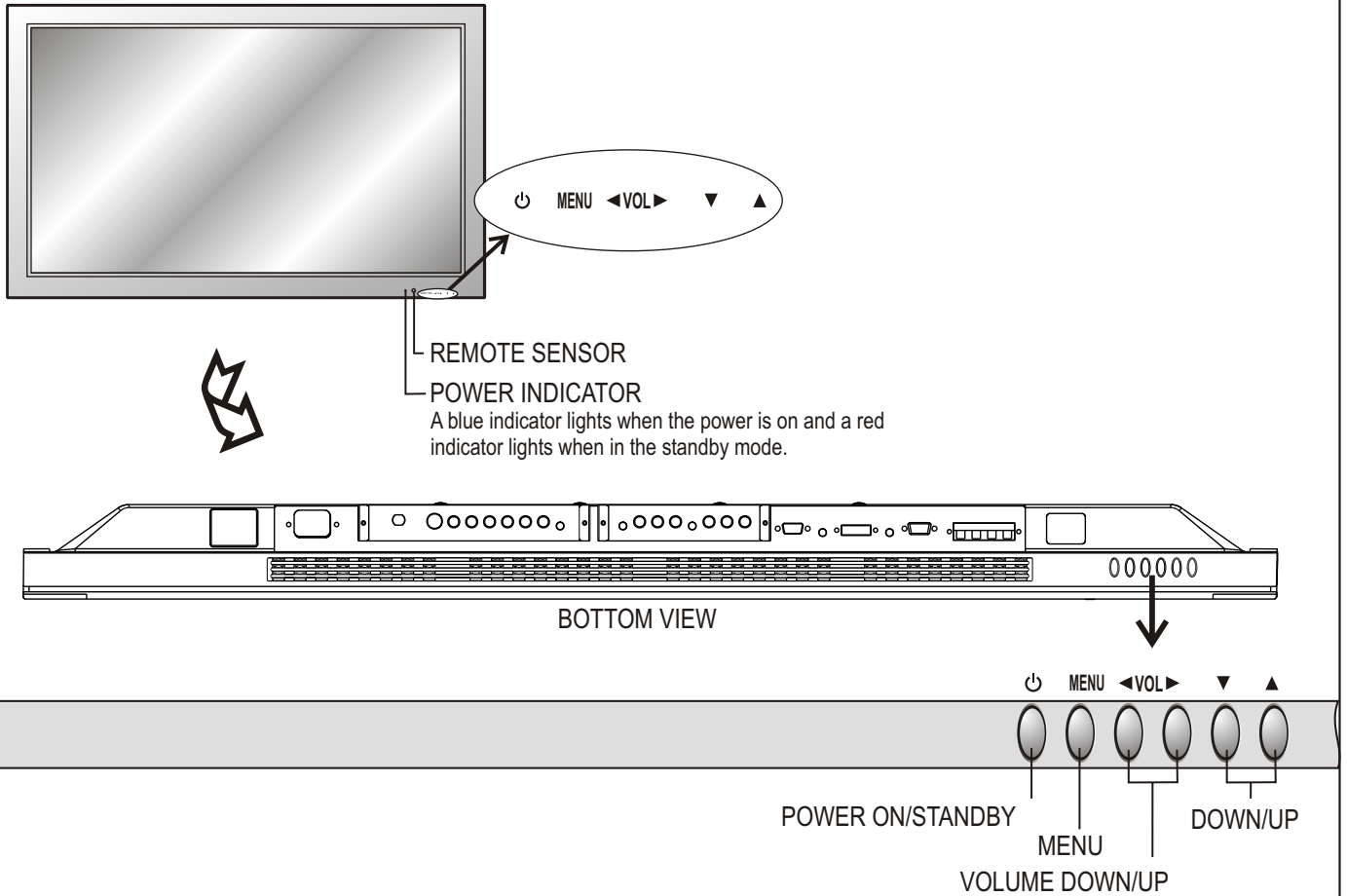
1. POWER ⏻
  Press this button to turn the unit ON from STANDBY mode. Press it again to turn the set back to STANDBY.
2. MENU
  Press this button to access the MENU main page.
3. Volume ◀ / ▶
  Press the VOL ▶ or VOL ◀ button to directly increase or decrease the sound volume level.
  In OSD Menu, press these buttons to adjust the value or setting of each item
4. ▲ / ▼
  In OSD Menu, press these buttons to choose the OSD items.

Note:

***POWER** ⏻ , **VOL ◀ / ▶** , **▲ /▼** and **MENU** on the main unit have the same functions as the corresponding buttons on the remote control.*
This operation manual provides a description based on operating functions with the remote control.

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Main unit (rear view)

Speaker output jacks

SPEAKER
⊕ R ⊖ ⊖ L ⊕

AC power input socket

AC-INPUT

CONTROL | DVI | D-SUB | COMPONENT INPUT 1 | COMPONENT INPUT 2 | HEADPHONE | AV OUTPUT | AV INPUT | SVHS
AUDIO PIC | AUDIO PIC | Y C_b/P_b C_r/P_r AUDIO | Y C_b/P_b C_r/P_r AUDIO | VIDEO L-AUDIO-R | VIDEO L-AUDIO-R

BOTTOM VIEW

1   2   3   4   5   6 7   8   9
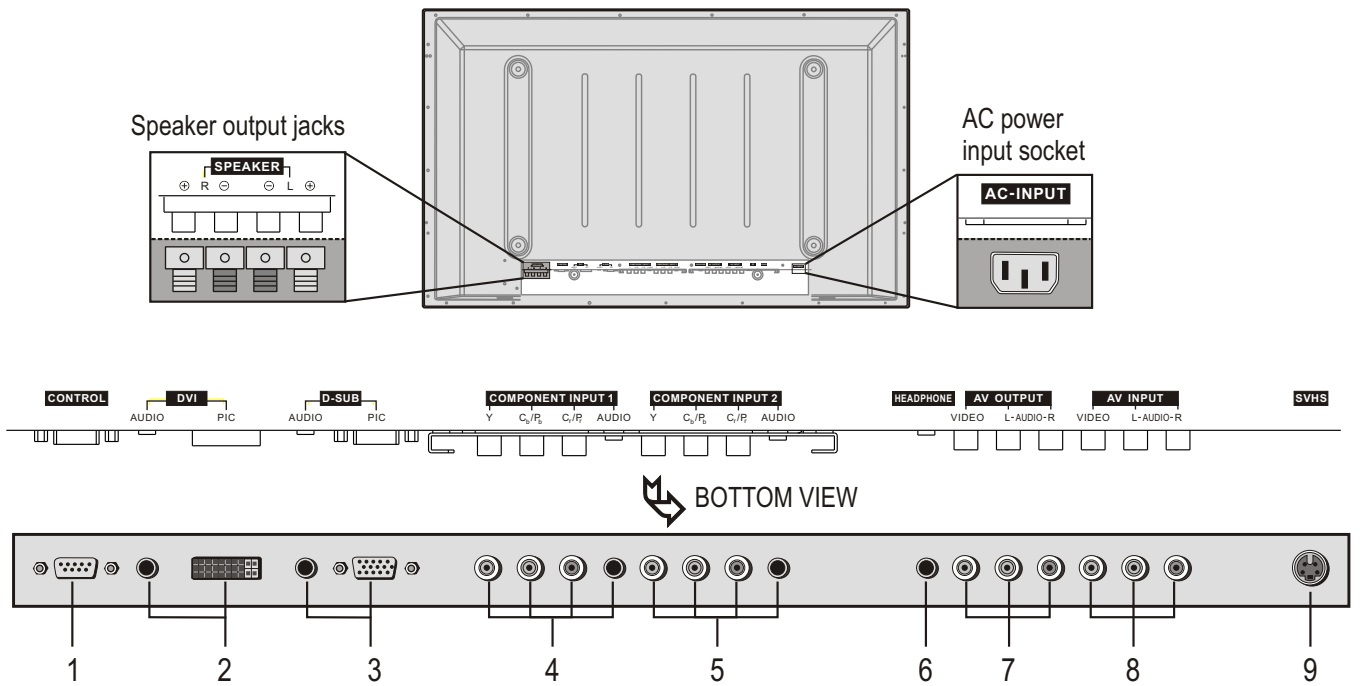
1. RS232 terminals
  For service use only. The user cannot operate the unit through the RS232 terminals.
2. DVI input /Audio in
  Receives the digital video/audio signals from a set top box or PC.
3. VGA input /Audio in
  Connect to the VGA/audio output jacks on your PC.
4. Component inputs 1 (Y, Pb/Cb, Pr/Cr, Audio)
  Connect to the audio and component output jacks of a DVD player or Set-Top Box.
5. Component inputs 2 (Y, Pb/Cb, Pr/Cr, Audio)
  Connect to the audio and component output jacks of a DVD player or Set-Top Box.
6. Headphone jack
7. AV outputs (Video, Audio L, R)
  Connect to the VCR input jacks to record programs.
8. AV inputs (Video, Audio L, R)
  Receive video/audio signals from external sources such as VCR or DVD player.
9. S-Video input
  Receive a S-Video signal from external source such as VCR or DVD player.
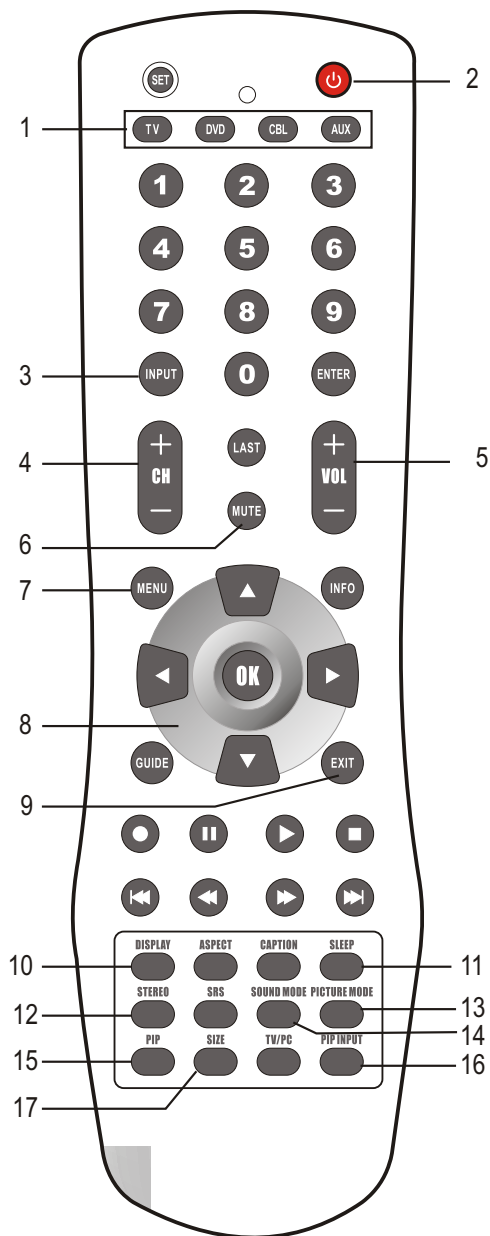
Remote Control

1. **To select products to be controlled with remote control**
   Note: This remote control is an **universal** remote control. If your remote control does not work correctly when you operate the PDP monitor, please try to press **TV** button.
2. **POWER** ⏻
   Turn the unit on or off
3. **INPUT**
   To access source input select menu
4. **CH+/-**
   To move upward or downward in menu operation
5. **VOL+/-**
   Used to adjust volume.
   To move left or right in menu operation;
   To adjust selected menu item in menu operation;
6. **MUTE**
   Sound mute
7. **MENU**
   To access the Menu main page or exit menu operation
8. **Menu navigation button:** ▲ ▼ ◀ ▶
   ▲ ▼ : To move upward or downward in menu operation;
   To adjust zoom rate in ZOOM mode and pan picture in PAN mode;
   To select picture frame in multi-picture mode, the selected picture frame displays with a green border;
   ◀ ▶ : To move left or right in menu operation;
   To adjust selected menu item in menu operation;
   To pan picture in PAN mode;
   OK button: To confirm, enter submenu or toggle between the settings of the selected menu item.
9. **EXIT**
   Used to exit the current menu and return to upper level menu.
10. **DISPLAY**
    To display channel status or signal information
11. **SLEEP**
    To access Sleep timer setting menu
12. **STEREO**
    To select STEREO, SAP or MONO
13. **PICTURE MODE**
    To access picture mode select menu
14. **SOUND MODE**
    To access sound mode select menu
15. **PIP**
    To activate picture in picture
16. **PIP INPUT**
    To access source input select menu
17. **SIZE**
    To access PIP frame size adjusting menu

Cautions before connecting

● Carefully check the terminals for position and type before making any connections.

● The illustration of the external equipment may be different depending on your model.

● Loose connectors can result in image or color problems. Make sure that all connectors are securely inserted into their terminals. Refer to the user manual of the external device as well.

● When connecting an external device, turn the power off on the panel to avoid any issues.

NOTE: Due to variances in DVI with HDCP (High-bandwidth Digital Content Protection) standards associated with cable and satellite boxes, Polaroid recommends using the Component Video (YPbPr) outputs from your cable/satellite box. Polaroid recommends reserving the DVI input for other sources which also have DVI outputs (i.e. DVD players, PCs).

Connect a VCR
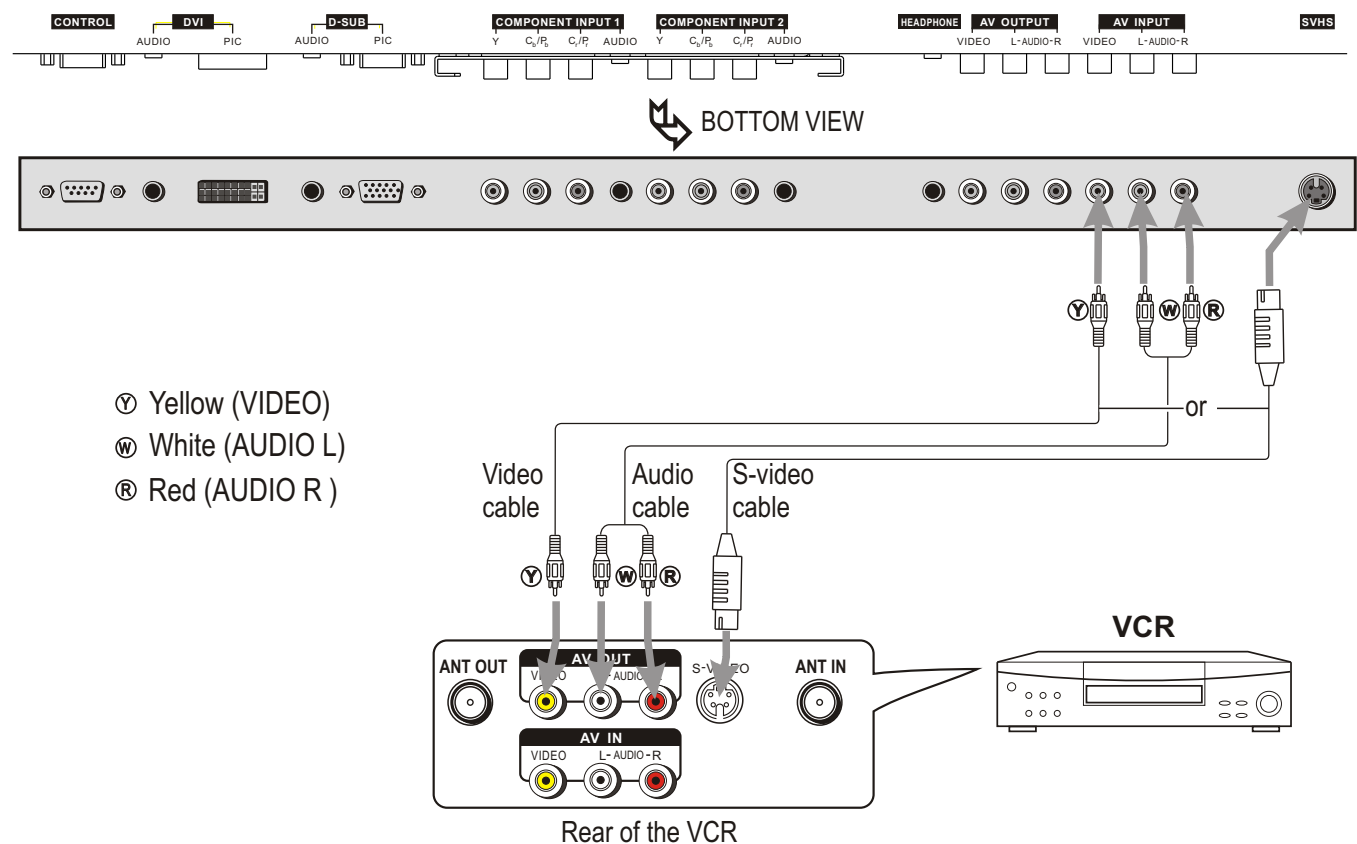
CONTROL   DVI   D-SUB   COMPONENT INPUT 1   COMPONENT INPUT 2   HEADPHONE   AV OUTPUT   AV INPUT   SVHS
AUDIO PIC   AUDIO PIC   Y C$_b$/P$_b$ C$_r$/P$_r$ AUDIO   Y C$_b$/P$_b$ C$_r$/P$_r$ AUDIO   VIDEO L-AUDIO-R   VIDEO L-AUDIO-R

BOTTOM VIEW

Ⓨ Yellow (VIDEO)
Ⓦ White (AUDIO L)
Ⓡ Red (AUDIO R)

or

Video cable   Audio cable   S-video cable

ANT OUT   AV OUT   S-VIDEO   ANT IN
          VIDEO AUDIO

AV IN
VIDEO L-AUDIO-R

VCR

Rear of the VCR

How to connect:

Connect the Audio/Video cables between the Audio (L/R)/Video jacks on the unit and VCR.

Note:

For better video, you can use the S-video terminal if your source supports it.
When you use S-video terminal, the source menu displays SV instead of AV.
The S-Video is prior to Video terminal when they are connected at the same time.

To play VCR

1. Turn on your PDP monitor , press **INPUT** button on the remote control.
2. Press ◀ / ▶ to select **AV** (VIDEO) and press **OK** to confirm.
3. Turn on your VCR , insert a videotape and press the Play button.

source | A | D | C1 | C2 | **AV** |
VIDEO

Connections (continued)

Connect a Camcorder

BOTTOM VIEW

Ⓨ Yellow (VIDEO)
Ⓦ White (AUDIO L)
Ⓡ Red (AUDIO R)

Video cable

Audio cable

OUT | IN

VIDEO   L - AUDIO - R

How to connect:

Connect the Audio/Video cables between the Audio (L/R)/Video jacks on the unit and camcorder.

To playback Camcorder

1. Turn on your PDP monitor , press **INPUT** button on the remote control.
2. Press ◀ / ▶ to select **AV** (VIDEO) and press **OK** to confirm.
3. Turn on your camcorder and set it to output mode. (For details, refer to your camcorder user manual.)
4. Insert the tape into the camcorder and press Play button.

Note:
The operations of the camcorder may be different and is dependant on your model.
Please read the user manual of your camcorder to confirm operation.

source | A | D | C1 | C2 | **AV** |
VIDEO

Connect a DVD player

CONTROL	DVI		D-SUB		COMPONENT INPUT 1				COMPONENT INPUT 2				HEADPHONE	AV OUTPUT		AV INPUT			SVHS
	AUDIO	PIC	AUDIO	PIC	Y	C$_b$/P$_b$	C$_r$/P$_r$	AUDIO	Y	C$_b$/P$_b$	C$_r$/P$_r$	AUDIO		VIDEO	L-AUDIO-R	VIDEO	L-AUDIO-R		

↘ BOTTOM VIEW

Ⓦ white (audio L)

Ⓡ red (audio R, P$_r$ /C$_r$)

Ⓖ Green (Y)

Ⓑ Blue (P$_b$ /C$_b$)

Video cable

Audio cable

DVD player

Rear of the DVD player
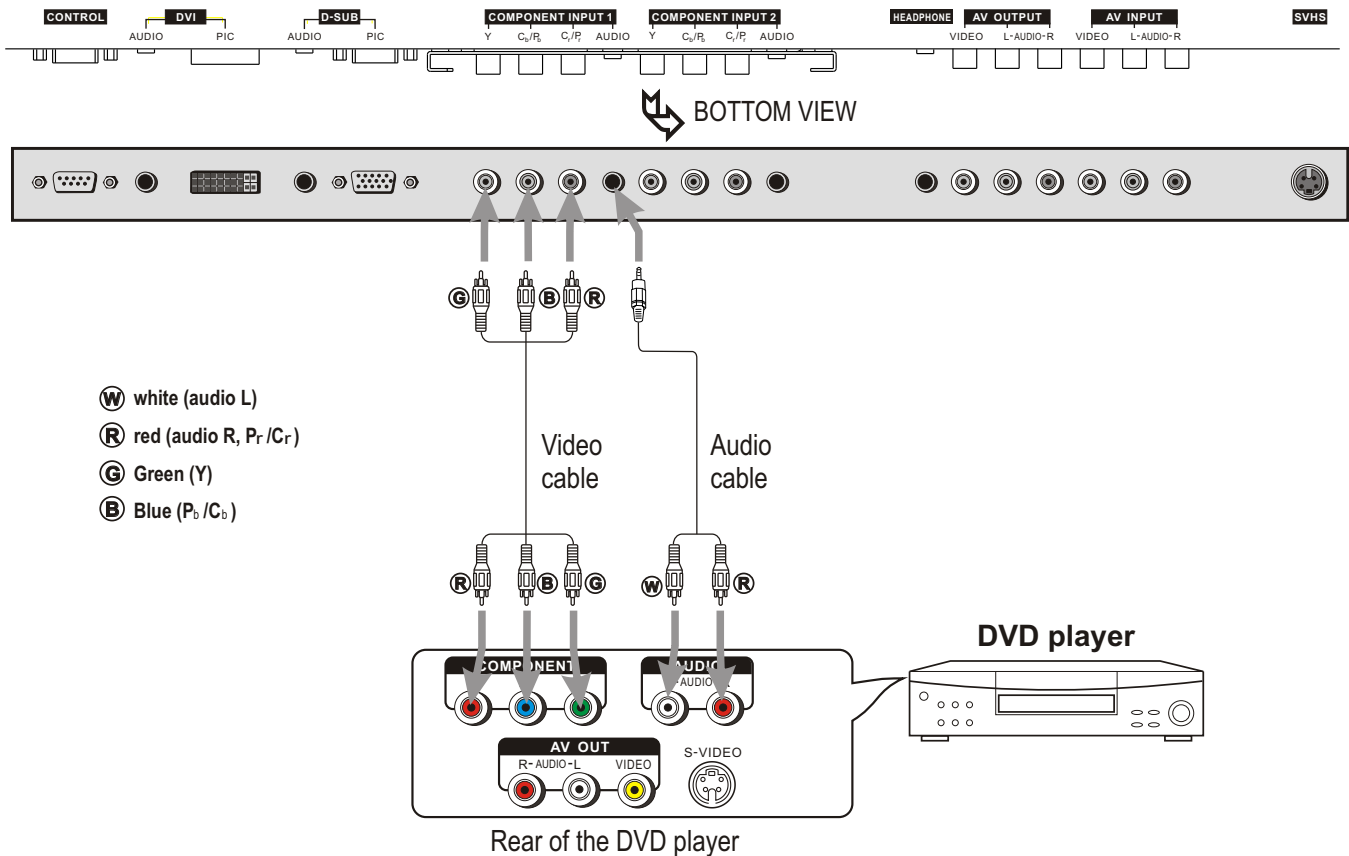
How to connect a DVD Player using Component Video Connections:

Connect the Video cable between the Y, Cb, Cr input jacks on the unit and Y, Cb, Cr output jacks on the DVD player.

Connect the Audio cable between the AUDIO input jack on the unit and AUDIO output jacks on the DVD player.

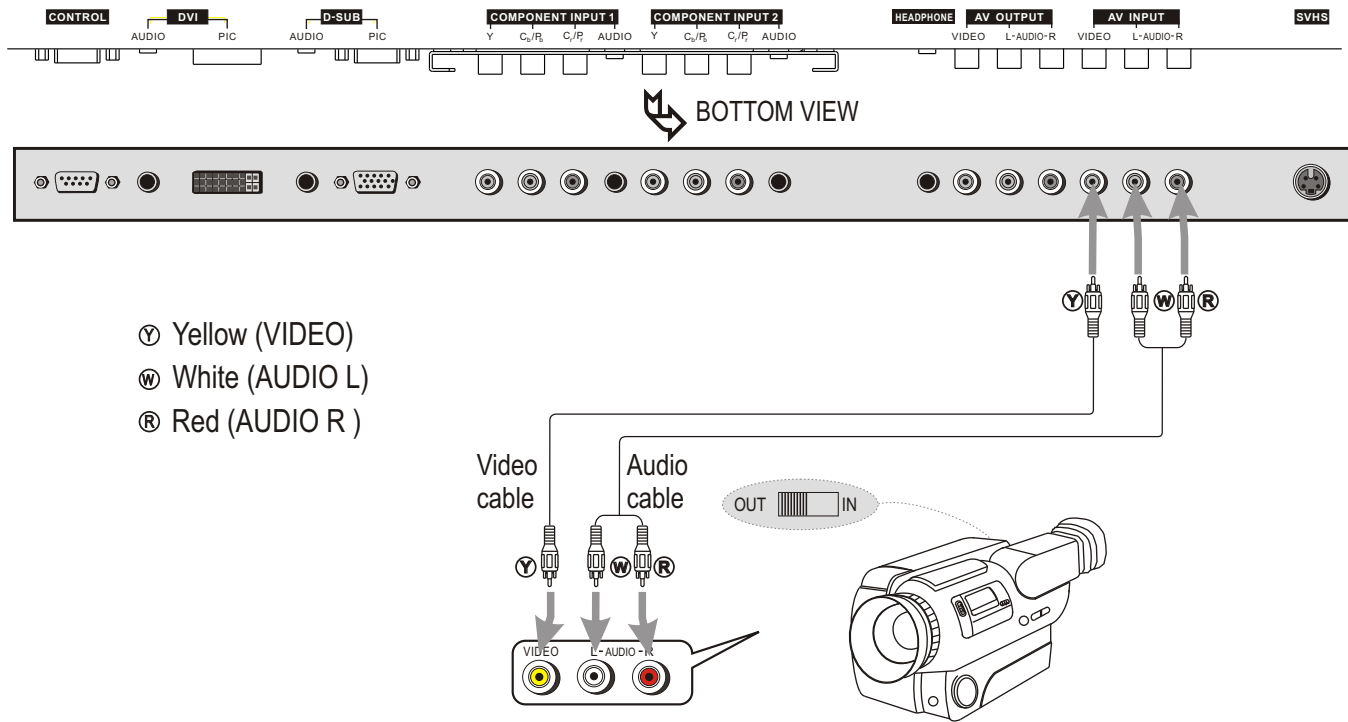## To play DVD

1. Turn on your PDP monitor , press **INPUT** button on the remote control.

2. Press ◀ / ▶ to select **C1**(YPbPr1/YCbCr1) or **C2**(YPbPr2/YCbCr2).
3. Press **OK** to confirm.
4. Turn on your DVD player, insert a DVD disc and press the Play button.
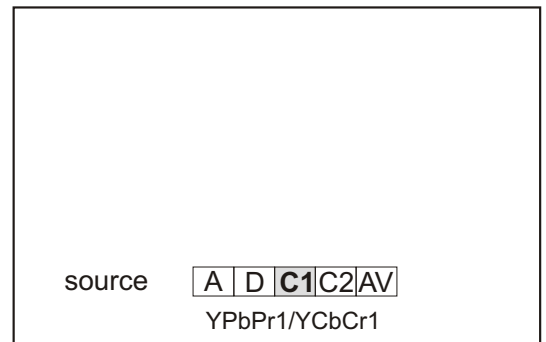
source | A | D | **C1** | C2 | AV |

YPbPr1/YCbCr1

Note:

*This unit identifies the type of component video terminals automatically. If you connect **Y, Cb, Cr** terminals, the screen displays **YCbCr detected** on the bottom-right corner. Similarly, if the component video terminals are **Y, Pb, Pr**, the screen displays **YPbPr detected** on the bottom-right corner.*

Connections (continued)

Connect a DTV receiver

| CONTROL | DVI | D-SUB | COMPONENT INPUT 1 | COMPONENT INPUT 2 | HEADPHONE | AV OUTPUT | AV INPUT | SVHS |
| | AUDIO PIC | AUDIO PIC | Y C$_b$/P$_b$ C$_r$/P$_r$ AUDIO | Y C$_b$/P$_b$ C$_r$/P$_r$ AUDIO | | VIDEO L-AUDIO-R | VIDEO L-AUDIO-R | |

BOTTOM VIEW

Ⓦ white (audio L)

Ⓡ red (audio R, P$_r$/C$_r$)

Ⓖ Green (Y)

Ⓑ Blue (P$_b$/C$_b$)

Video cable

Audio cable

DTV Receiver

COMPONENT1

AUDIO

ANT

AV OUT
R-AUDIO-L   VIDEO

S-VIDEO

DVI

Rear of the DTV receiver
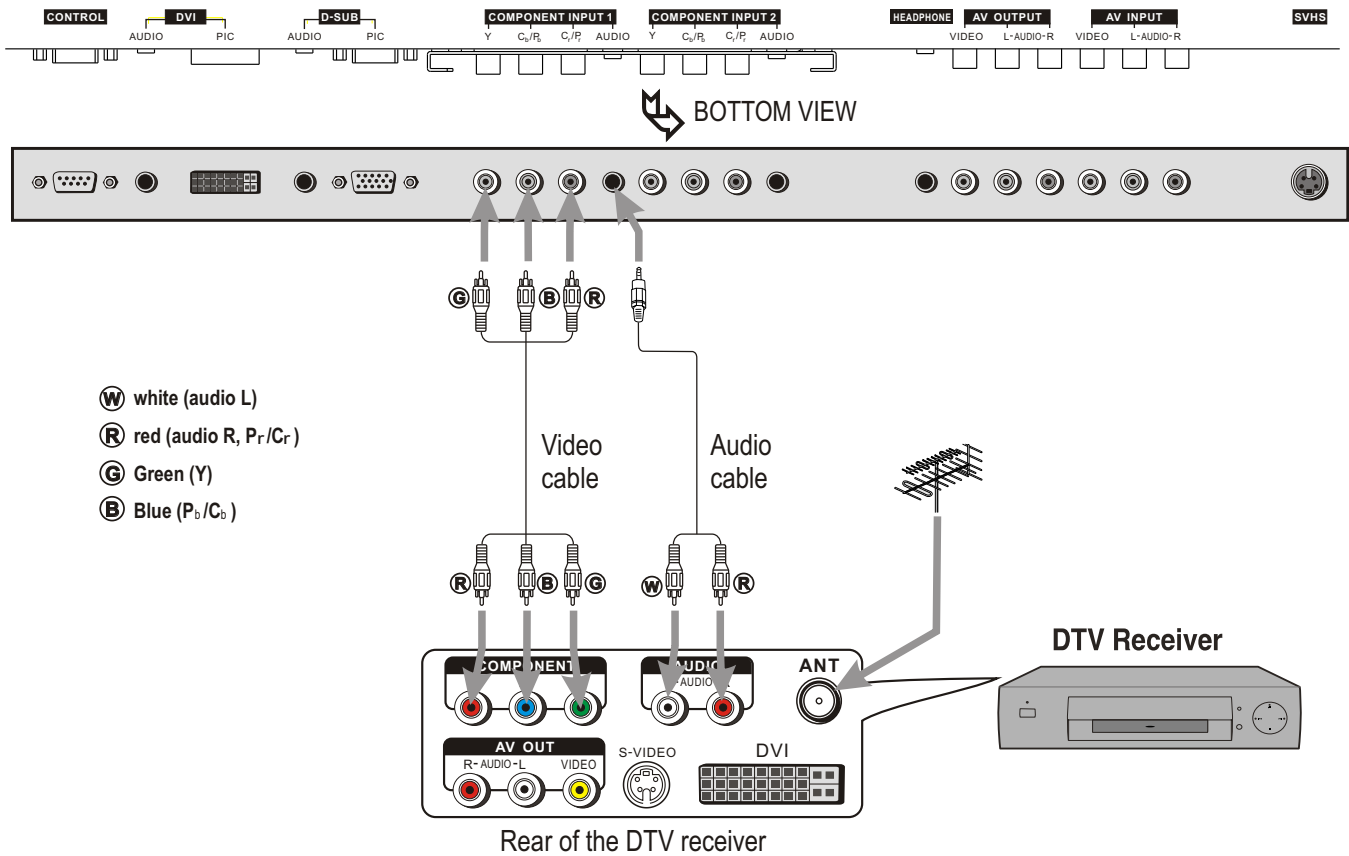
How to connect:

Connect the cable or antenna to the antenna input jack on the DTV receiver.

Connect the Video cable between the Y, Pb, Pr input jacks on the unit and Y, Pb, Pr output jacks on the DTV receiver .

Connect the Audio cable between the AUDIO input jack on the unit and AUDIO output jacks on the DTV receiver.

To Watch DTV

1. Turn on your PDP monitor , press **INPUT** button on the remote control.
2. Press ◀ / ▶ to select *C1*(YPbPr1/YCbCr1) or *C2*(YPbPr2/YCbCr2).
3. Press **OK** to confirm.
4. Turn on your DTV receiver.

source | A | D | **C1** | C2 | AV |

YPbPr1/YCbCr1

Connect a PC

BOTTOM VIEW

CONTROL DVI AUDIO PIC D-SUB AUDIO PIC COMPONENT INPUT 1 Y C$_B$/P$_B$ C$_r$/P$_r$ AUDIO COMPONENT INPUT 2 Y C$_B$/P$_B$ C$_r$/P$_r$ AUDIO HEADPHONE AV OUTPUT VIDEO L-AUDIO-R AV INPUT VIDEO L-AUDIO-R SVHS

DVI cable

or

VGA cable
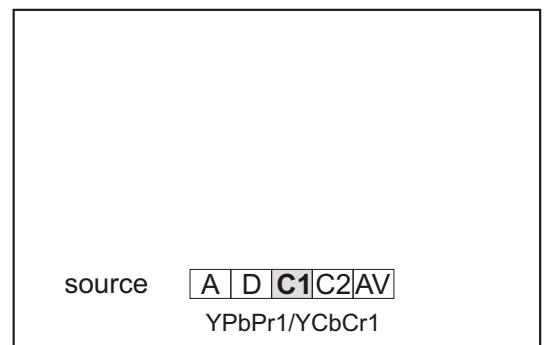
Audio cable

PC

How to connect:

Connect a VGA (or DVI) cable between the VGA (or DVI) jack on the PC and the VGA (or DVI) input jack on the unit.

Connect an Audio cable between the AUDIO output on the PC and AUDIO input jack on the unit.

To Watch the PC screen

*1. Turn on your PDP monitor , press **INPUT** button on the remote control.*
*2. Press ◄ / ► to select **A** (VGA) or **D** (DVI).*
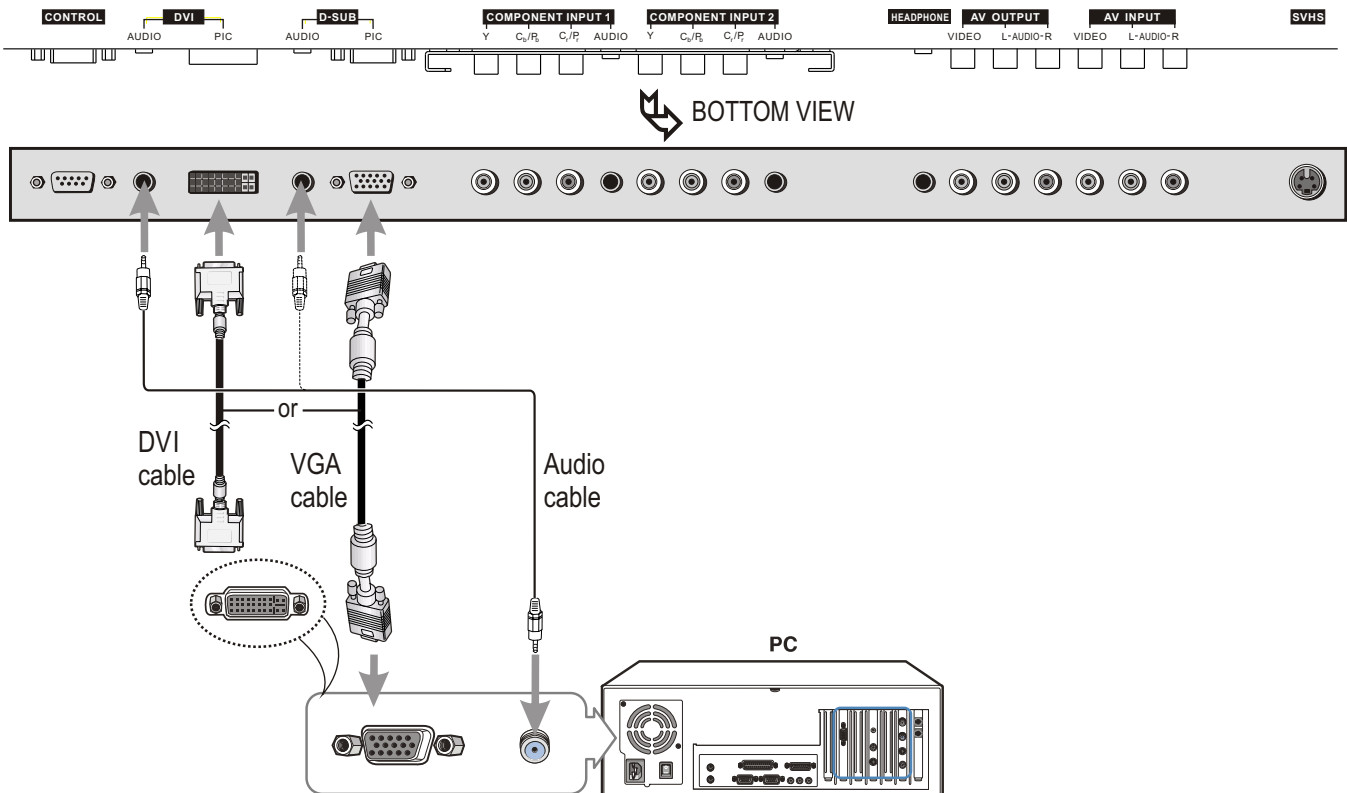*3. Press **OK** to confirm.*
4. Turn on your PC and check for PC system requirements.
5. Adjust the PC screen.

source | A | D | C1 | C2 | AV |
VGA
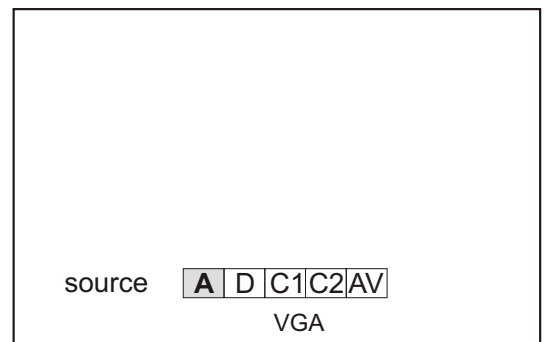
Note:

Some playback devices with DVI interface have different understandings to the HDCP protocols and which may lead to mistakes during transferring data stream. In this case, you may find a noisy picture while viewing programs from DVI interface. So if you encounter a noisy picture, please try to restore a normal picture by restarting the playback device.

14

Connections (continued)

Connect a VCR (for recording) or external amplifier

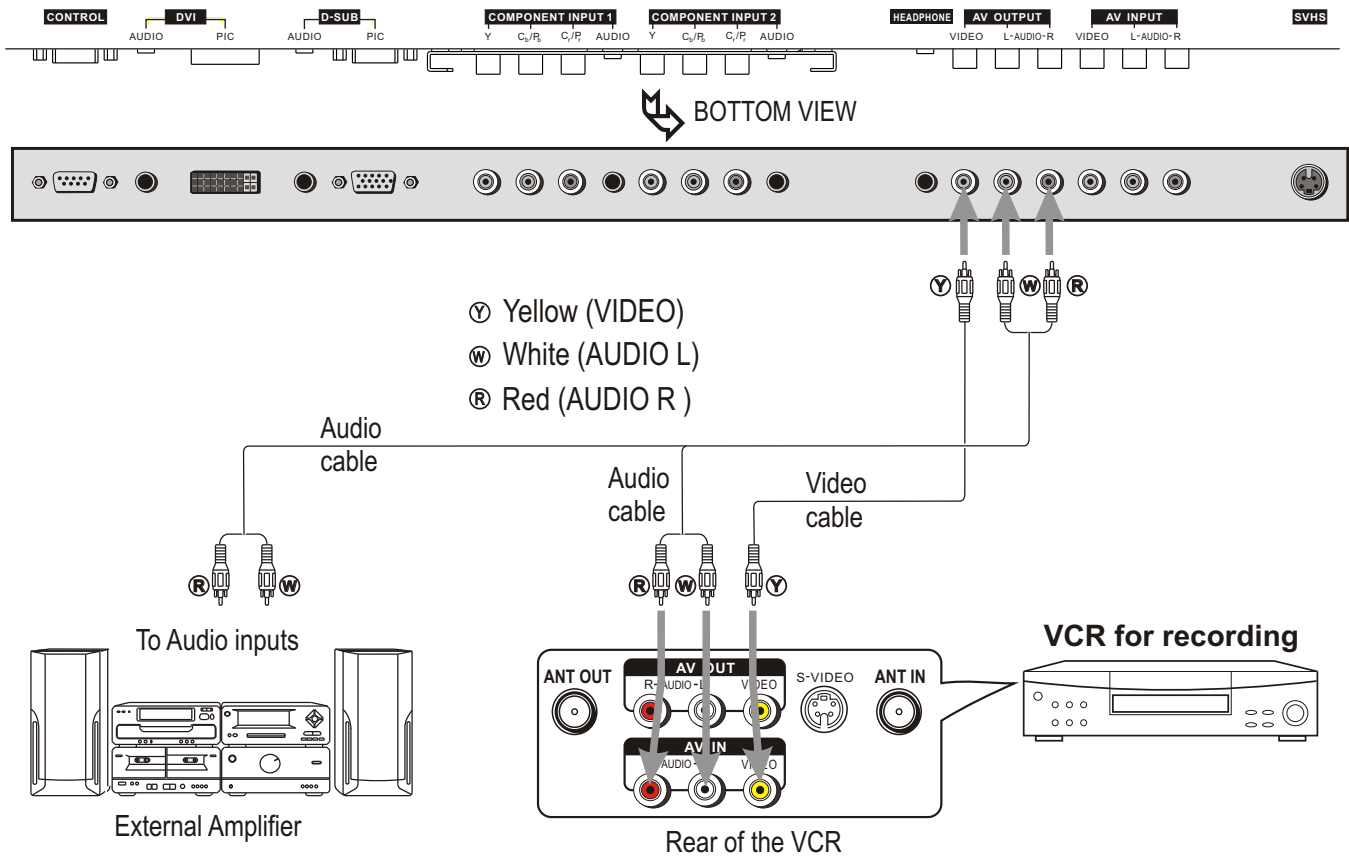| CONTROL	DVI		D-SUB		COMPONENT INPUT 1				COMPONENT INPUT 2				HEADPHONE	AV OUTPUT		AV INPUT		SVHS
	AUDIO	PIC	AUDIO	PIC	Y	C_b/P_b	C_r/P_r	AUDIO	Y	C_b/P_b	C_r/P_r	AUDIO		VIDEO	L·AUDIO·R	VIDEO	L·AUDIO·R	

BOTTOM VIEW

Ⓨ Yellow (VIDEO)

ⓦ White (AUDIO L)

Ⓡ Red (AUDIO R)

Audio cable

Audio cable

Video cable

Ⓡ ⓦ To Audio inputs

Ⓡ ⓦ Ⓨ

VCR for recording

ANT OUT

AV OUT
R·AUDIO·L VIDEO

S-VIDEO

ANT IN

AV IN
AUDIO VIDEO

External Amplifier

Rear of the VCR

How to connect:

Connect the Audio/Video cables between the Audio (L/R)/Video jacks on the unit and VCR.

▫ Or ▫

Connect the Audio cables between the Audio (L/R) jacks on the unit and external amplifier.

To record program

1. Turn on your PDP monitor, select a program you wish to record.
2. Turn on your VCR, insert a videotape for recording.
3. Press the Record button to begin recording.

To enjoy high-quality sound through an external amplifier

1. Turn on your PDP monitor, select a program.
2. Turn the main volume of the amplifier to minimum.
3. Turn on the amplifier and adjust for a proper volume.

Note:
The operations of the amplifier may be different depending on model. Please read the user manual of your amplifier to confirm proper operation.
The AV output terminals output audio/video signal inputted from Antenna input or AV inputs.

Turning the Unit On and Off

Turning On

Insert the power cord into the wall outlet.
Press the **Power** ⏻ button on the remote control.
The unit will be turned on and you will be ready to use it's features.

Turning Off

With the power on, Press the **Power** ⏻ button on the remote control to turn off.

Note:
*You can also use the **Power** button on the Control panel on the main unit.*

Viewing the Menus and Displays

Your PDP monitor has a simple, easy-to-use menu system that appears on the screen. This system makes it convenient and fast to use features on the unit.

Viewing the Menus

1   With the power on, press the **MENU** button on the remote control. The main menu appears on the screen.

2   In MENU operations, use the ▲ / ▼ to select menu item. Use ◄ / ► to adjust value or setting of each item. Use **OK** to confirm or access items of menu. On-screen menu will disappear from the screen automatically after about 15 seconds, or you can press the **MENU** button repeatedly to exit the menu.

Note:

To clearly introduce the menu operations , this operation manual provides a description based on operation with the remote control.

3   In MENU operations, the **CH+/-** buttons have the same function with the ▲ / ▼ buttons, the **VOL+/-** buttons have the same function with the ◄ / ► buttons; the **ENTER** button has the same function with the **OK** button.
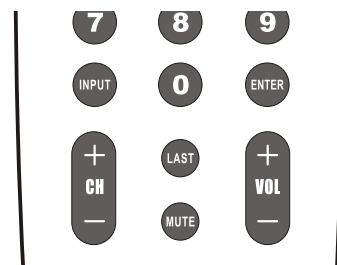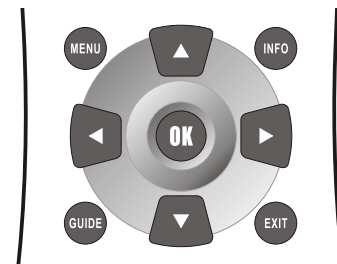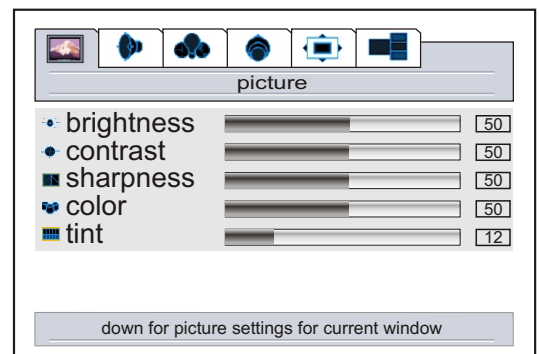
Displaying Status Information

Press the **DISPLAY** button on the remote control, the unit will display current status information such as channel number, audio mode or signal source, etc.

16

Basic Operations

Adjusting the Volume

Using the volume buttons (VOL-and VOL+)

Press the **VOL +**or **VOL-** to increase or decrease the volume.

Using the Mute

Using the MUTE button

At any time, you can temporarily turn off the sound using the **MUTE** button.

1   Press the **MUTE** button and the sound turns off.

2   To turn mute off, press the **MUTE** button again, or simply press either the **VOL -** or **VOL+**.

Select input source signal

Using the INPUT button

1   Press the **INPUT** button to access **source** menu.

2   Press ◄ or ► to select a desired input channel.

3   Press **OK** to confirm and the unit display signal from the selected input channel.

    A ----------VGA, select signal from VGA (15-pin D-sub) terminals.
    D ----------DVI, select signal from DVI terminals.
    C1 --------YPbPr1/YCbCr1, select signal from YPbPr1/YCbCr1 terminals.
    C2 --------YPbPr2/YCbCr2, select signal from YPbPr2/YCbCr2 terminals.
    AV --------VIDEO (SVIDEO), select signal from S-Video or Video terminal.
          The S-Video is prior to Video terminal when they are connected at the same time.

source	A	D	C1	C2	AV

VGA

Note:

*This unit identifies the type of component video terminals automatically. If you connect **Y, Cb, Cr** terminals, the screen displays **YCbCr** **detected** on the bottom-right corner. Similary, if the component video terminals are **Y, Pb, Pr**, the screen displays **YPbPr detected** on the bottom-right corner.*
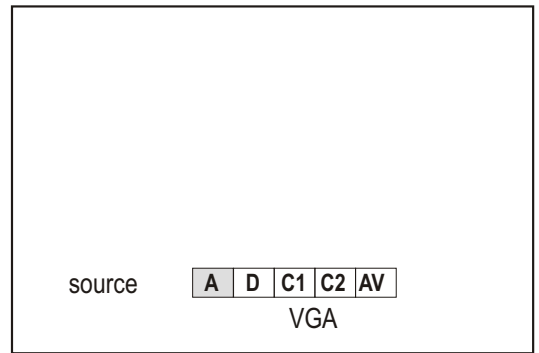
Using source select menu

1   Press **MENU** to display the menu main page.

2   Press ◄ / ► to display **settings** menu page.

3   Press ▼ repeatedly to select **source select** item.

4   Press ► to access **source select** menu.

5   Press ▲ or ▼ to select a desired input channel.

6   Press **OK** to confirm and the unit displays signal from the selected input channel.

settings

menu background	opaque
language	English
close caption mode	cc1
close caption	off on on mute
close capt. background	opaque
source select	►

right/left to source select
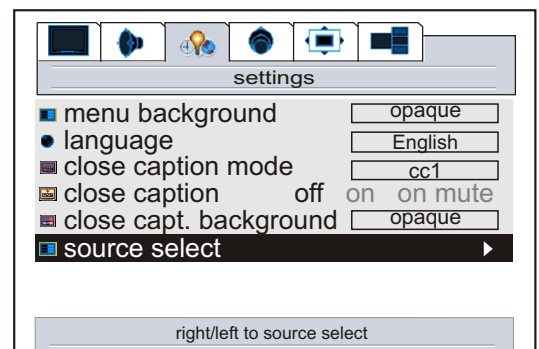
Customizing the Picture

1 Press **MENU** to display the menu main page.

If the **picture** menu does not display, press ◀ / ▶ repeatedly to display **picture** menu page.

2 Press ▲ / ▼ to select the item you wish to change.

3 Press ◀ / ▶ to adjust the value of the item.

4 Press **MENU** to exit.

picture	
• brightness	▬▬▬▬ 50
• contrast	▬▬▬▬ 50
▦ sharpness	▬▬▬▬ 50
✿ color	▬▬▬▬ 50
▦ tint	▬▬ 12

down for picture settings for current window
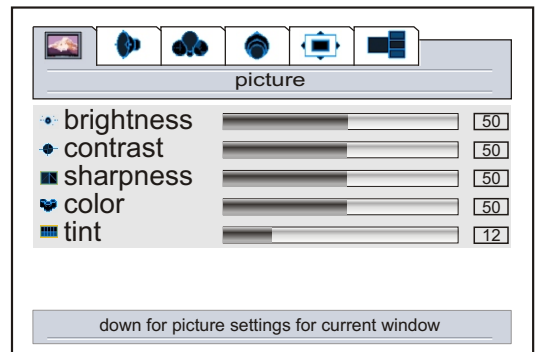
Using the Preset Picture Mode

1 Press **PICTURE MODE** to display **picture mode** select menu.

2 Press ◀ / ▶ to select a desired picture mode.

3 Press **MENU** to exit.
There are three preset picture modes (**Normal**, **Bright** and **Soft**) and one user-set picture mode (**User**).
Each preset mode has its own picture settings.
Normal: Select for a normal picture.
Bright: Select for a bright picture.
Soft: Select for a fine/soft picture.
Adjusted settings are stored in User mode.

▣ Picture mode	Normal
menu to return	right/left to adjust
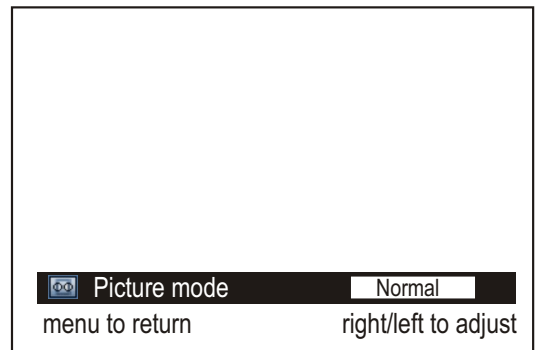
Adjusting Picture in VGA Mode

1 Press **MENU** to display the menu main page.
If the **picture** menu does not display, press ◀ / ▶ repeatedly to display **picture** menu page.

2 Press ▲ / ▼ to select **brightness** or **contrast** item.

3 Press ◀ / ▶ to adjust the value of the item.

picture	
• brightness	▬▬▬▬ 50
• contrast	▬▬▬▬ 50
▦ phase	▬▬▬▬ 50
▦ frequency	▬▬▬▬ 50

right/left to adjust brightness
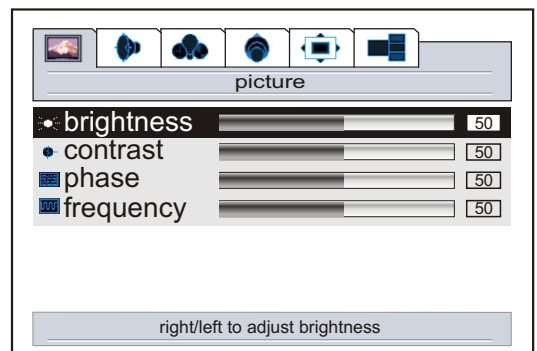
Adjusting the Phase and Frequency in VGA Mode

1 Press **MENU** to display the menu main page.
If the **picture** menu does not display, press ◀ / ▶ repeatedly to display **picture** menu page.

2 Press ▲ / ▼ to select **phase** or **frequency** item.

3 Press ◀ / ▶ to adjust the value of the item.

4 Press **MENU** to exit.

picture	
• brightness	▬▬▬▬ 50
• contrast	▬▬▬▬ 50
▦ phase	▬▬▬▬ 50
▦ frequency	▬▬▬▬ 50

right/left to adjust phase
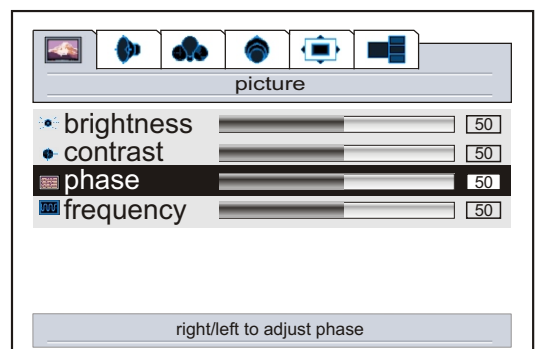
You may find that images blur, depending on the clock phase of your PC's Processor. If you experience blurring , you can obtain a clearer image by adjusting the phase setting.
Adjust the clock frequency of the set's internal clock signal. If shimmering or rainbow-like noise is apparent in the image, try adjusting the frequency setting.

Changing Screen Options

Changing the Scaling mode of Image

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **window** menu page.

3 Press ▼ to select **image size** item.
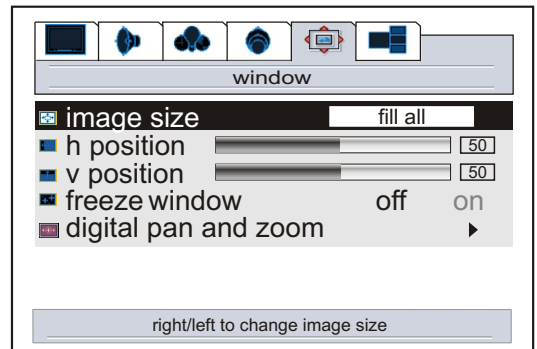
4 Press ◀ / ▶ to select a proper image size.
   The image size can be selected between: fill all, normal, wide and zoom .

Fill All
The Fill All mode stretches the input vertically and horizontally to fill the display from edge to edge. This mode is the default mode.
Normal
The Normal mode fills the display vertically with a 4:3 aspect picture, preserving the geometry of the input format. It performs the same as the Fill to Aspect Ratio mode..
Wide
The Wide mode only affects displays that are greater than 4:3 aspect. If the picture is less than or equal to 4:3, this mode acts as if it is in Normal mode. It is intended to display 4:3 images on a 16:9 panel with the least picture deformity. The center of the picture is left unstretched. The left and right sides of the picture are stretched in a non-linear fashion with the areas of greatest distortion on the extreme left and right edges of the picture. The top and bottom five percent of the picture are cropped.
Zoom
If the display aspect ratio is greater than 4:3, this mode fills the panel horizontally, cropping 10 percent off the top and bottom of the picture. If the display aspect ratio is less than 4:3, this mode crops the picture by 16.5 percent on all sides and fills the panel with the remaining picture.

Freezing the Picture

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display window menu page.

3 Press ▼ repeatedly to select **freeze window** item.

4 Press ◀ / ▶ to select **on** or **off.**

   When you set this item to **on**, the current picture will be frozen until you set this item to **off**.
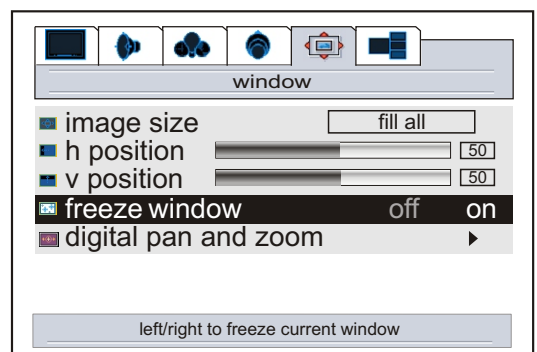
Note:
This menu item appears only when the current screen layout is full screen.

Changing the Position of the Image

The unit allows you to adjust the position of the image if it is not well-aligned.

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **window** menu page.

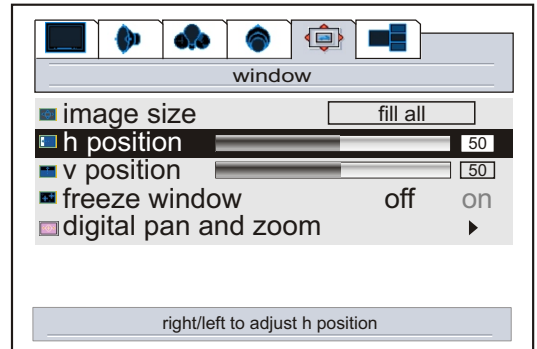3 Press ▼ repeatedly to select **h position** or **v position** item.

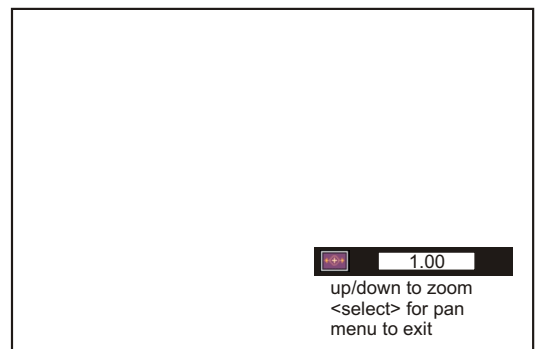4 Press ◀ / ▶ to adjust until the picture is well-aligned.

window	
■ image size	fill all
▣ h position	50
■ v position	50
■ freeze window	off on
▣ digital pan and zoom	▶

right/left to adjust h position

Using Digital Pan and Zoom

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **window** menu page.

3 Press ▼ repeatedly to select **digital pan and zoom** item.

4 Press ▶ to enter.

5 Press ▲ / ▼ to adjust zoom ratio.

Note:
*You can quickly access Zoom menu by using the **ZOOM** button.*
Digital pan and zoom are not always available.

window	
■ image size	fill all
■ h position	50
■ v position	50
■ freeze window	off on
■ digital pan and zoom	▶

select to activate digital zoom control
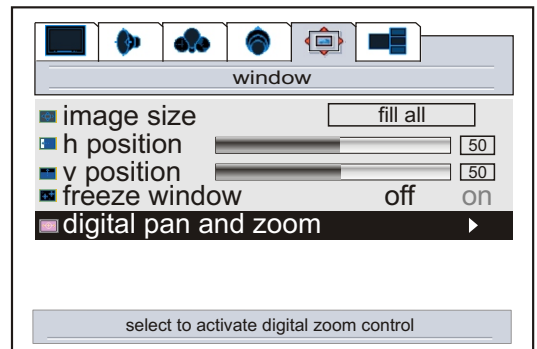
The unit allows you to pan the picture after you zoom in the picture

1 Repeat steps 1~5 above to zoom in the picture.

2 Press **OK** to access Pan mode.

3 Press ◀ / ▶ or ▲ / ▼ to pan the current picture in the relevant direction.

1.00

up/down to zoom
<select> for pan
menu to exit

12.34

arrow keys to pan
<select> for zoom
menu to exit
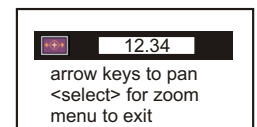
Adjusting the Picture Automatically

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **window** menu page.

3 Press ▼ repeatedly to select **auto adjustment** item.

4 Press ▶ to start auto adjustment.

If you are not satisfied with the picture , you may quickly adjust the picture by using the **auto adjustment** item.
After the **auto adjustment** is started, the message "**Auto running**" appears on the screen and the picture adjustments are automatically activated.

window	
■ image size	fill all
■ h position	50
■ v position	50
■ freeze window	off on
■ digital pan and zoom	▶
■ auto adjustment	▶

right/left to auto adjust
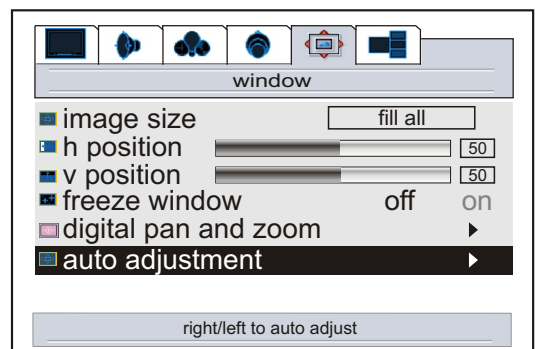
Setting Sound

Using the Preset Audio Mode

1 Press **MENU** to display the menu main page.

2 Press ◄ / ► to display **audio** menu page.

3 Press ▼ to select **Audio mode** item.

4 Press ◄ / ► to select a desired Audio mode.

Note:
*You can not access the **treble** and **bass** items unless the **Audio mode** is set to **User.***
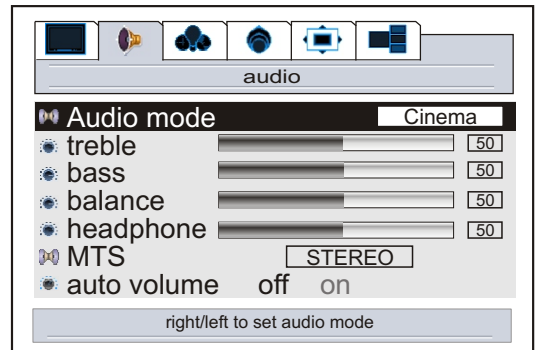
Customizing the Sound

1 Press **MENU** to display the menu main page.

2 Press ◄ / ► to display **audio** menu page.

3 Press ▲ / ▼ to select **treble, bass** or **balance** item.

4 Press ◄ / ► to adjust the value of the item.
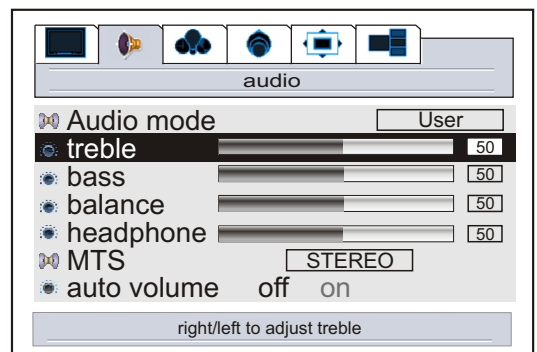
Using the SOUND MODE button

1 Press **SOUND MODE** to display **Audio mode** select menu.

2 Press ◄ / ► to select a desired Audio mode.

3 Press **MENU** to exit.

There are three preset Audio modes (**Cinema**, **Music** and **News**) and one user-set Audio mode (**User**).
Each preset mode has its own Audio settings.
Cinema: Select for a movie program picture.
Music: Select for a music program.
News: Select for a speech or conversation program.
Adjusted settings are stored in User mode.
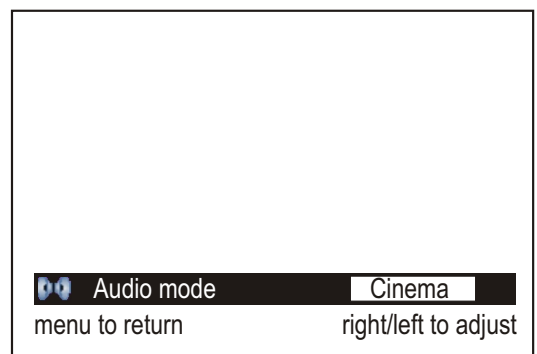
Adjusting the Headphone Volume

1 Press **MENU** to display the menu main page.

2 Press ◄ / ► to display **audio** menu page.

3 Press ▼ repeatedly to select **headphone** item.

4 Press ◄ / ► to adjust the volume of headphone.

Choosing a Multi-Channel Sound (**MTS**) Soundtrack

1   Press **MENU** to display the menu main page.

2   Press ◀ / ▶ to display **audio** menu page.

3   Press ▼ repeatedly to select **MTS** item.

4   Press ◀ / ▶ to select **STEREO**, **SAP** or **MONO**.
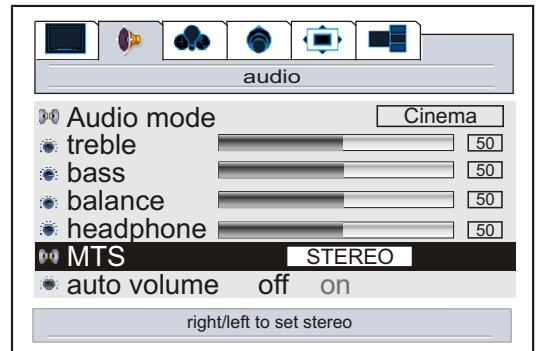
Choose **STEREO** for channels that are broadcasting in stereo.
Choose **MONO** for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
Choose **SAP** to listen to the Separate Audio Program, which is usually a foreign-language translation of a program.

Using the STEREO button

1   Press the **STEREO** button to access **MTS** setting menu.

2   Press ◀ / ▶ to select **STEREO**, **SAP** or **MONO**.

3   Press **MENU** to exit.

Using the Auto Volume

Each broadcasting station has its own signal conditions, which can make it necessary to adjust the volume every time the channel is changed. "Auto volume" lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

1   Press **MENU** to display the menu main page.

2   Press ◀ / ▶ to display **audio** menu page.

3   Press ▼ repeatedly to select **Auto volume** item.

4   Press ◀ / ▶ to select **on** or **off.**

Setting System

Setting the Menu Background

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **settings** menu page.

3 Press ▾ to select **menu background** item.

4 Press ◀ / ▶ to select **opaque** or **translucent**.

settings	
▣ menu background	translucent
● language	english
▦ close caption mode	cc1
▦ close caption	off on on mute
▦ close capt. background	opaque
▣ source select	▶

right/left to change menu background

Selecting a MENU language

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ repeatedly to display **settings** menu page

3 Press ▾ twice to select **language** item.

4 Press ◀ / ▶ **-** to select the appropriate language: **English**, **French** and **Spanish**.

5 Press **MENU** to exit.

settings	
▣ menu background	opaque
● language	English
▦ close caption mode	cc1
▦ close caption	off on on mute
▦ close capt. background	opaque
▣ source select	▶

right/left to change language
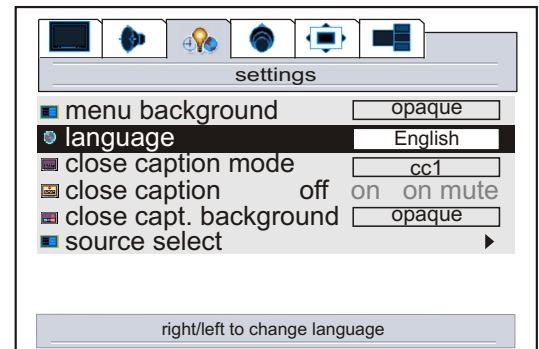
Setting Sleep Timer

1 Press the **SLEEP** button to display **sleep time** menu.

2 Press ◀ / ▶ to adjust.

3 Press **MENU** to exit.

🕒 Sleep time	off
menu to return	right/left to adjust
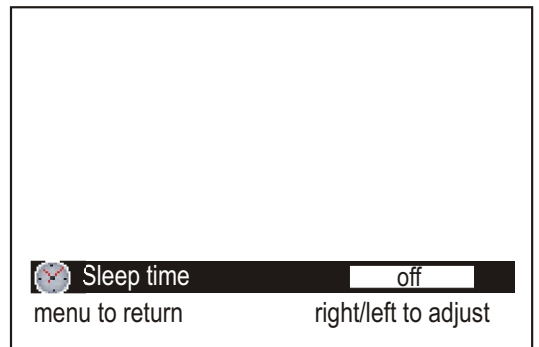
Selecting Screen Layout

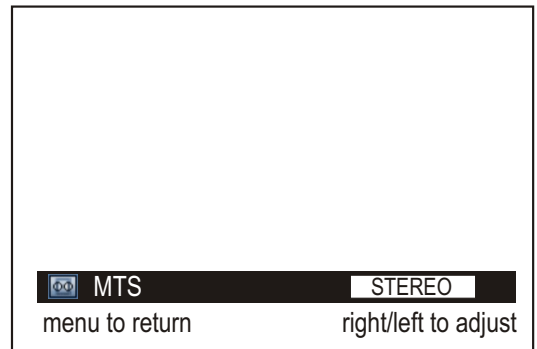**Using the Layout Menu**

1   Press **MENU** to display the menu main page.

2   Press ◀ / ▶ to display **layout** menu page.

3   Press ▲ / ▼ to select item.

4   Press ▶ or **OK** to confirm.

layout

■ full screen
■ pip
■ split screen
■ pop3

down for current screen layout options
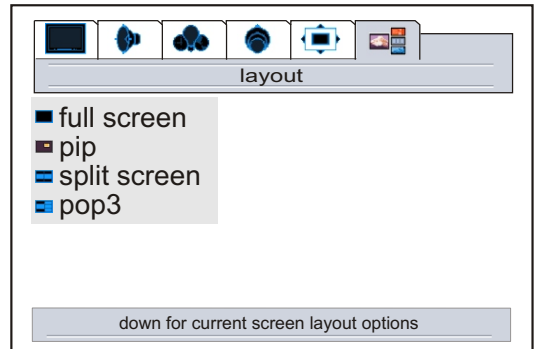
Full Screen

When this item is selected, only main frame displays on the screen.
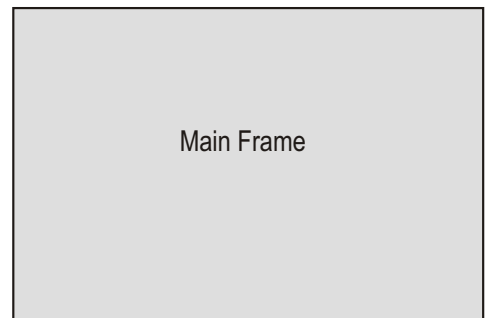
Main Frame

PIP

When this item is selected, one main frame and one PIP frame display on the screen at the same time.

Main Frame

PIP Frame
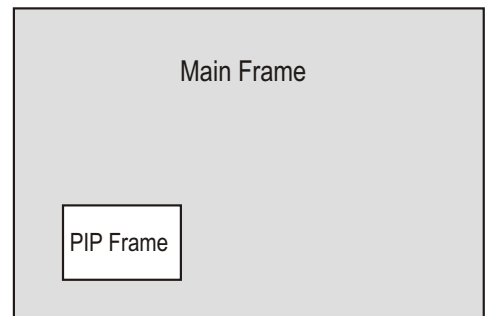
Split Screen

When this item is selected, the screen will be split into two frames.

Main Frame   Split Frame
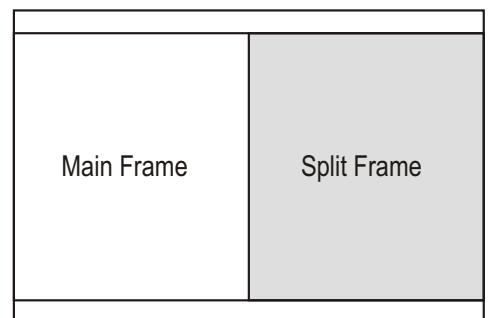
POP3

When this item is selected, one main frame and three scanning frames display on the screen.

2

3

Main Frame   Scanning Frame

4
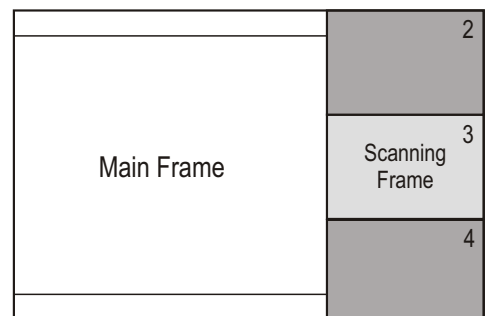
PIP Operations

Viewing the Picture-in-Picture
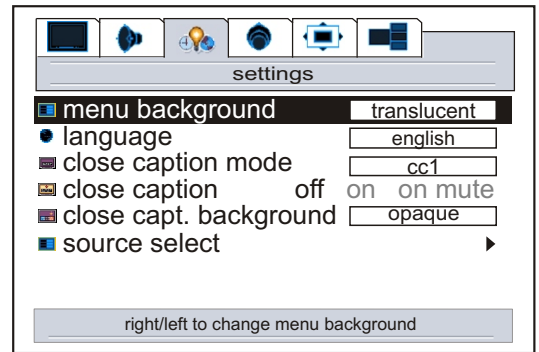
1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **layout** menu page.

3 Press ▼ twice to select **pip** item.

4 Press ▶ or **OK** to display pip frame.
The screen displays one main frame and one PIP frame.

5 Press ▲ or ▼ to select main frame or PIP frame.

The selected frame displays with a green border.

Note:

▸ *You can quickly open or close PIP frame by directly using the **PIP** button.*
▸ *Many but not all adjustments and settings can be applied to the PIP picture when the PIP frame is selected.*
▸ *To cancel PIP frame, press the **PIP** button or select the full screen item and confirm.*
▸ *The PIP audio is only output through the headphone jack.*
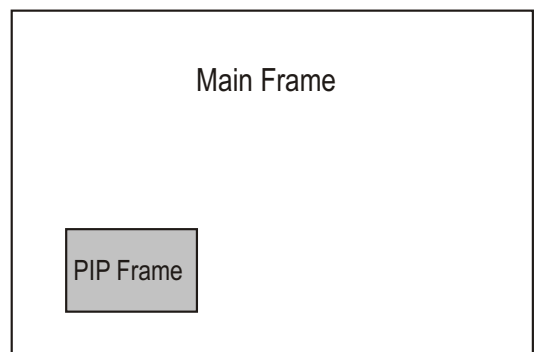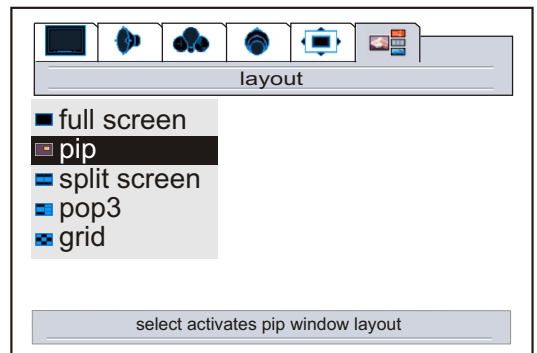
Adjusting the Size of PIP Frame

1 With the PIP frame displaying, press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **window** menu page.

3 Press ▼ repeatedly to select **pip size** item.

4 Press ◀ / ▶ to adjust the size of PIP frame.

5 Press **MENU** to exit.

Note:

You can the **SIZE** button to quickly access the **pip size** adjusting menu.
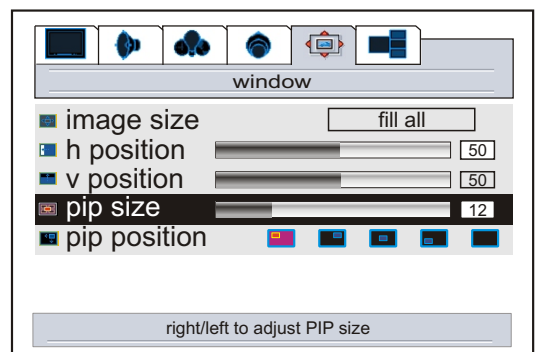
Changing the Position of the PIP Frame

1 With the PIP frame displaying, press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **window** menu page.

3 Press ▼ repeatedly to select **pip position** item.

4 Press ◀ / ▶ to select a desired position for the PIP frame.
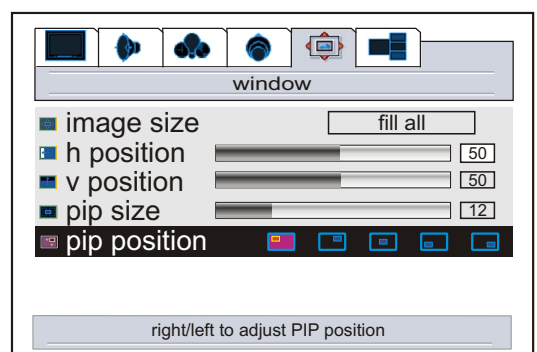
NOTE:
If PIP, Split Screen, or POP3 is turned off in DVI input mode and the input changes to VGA, go to the Input Menu (page 17) and switch the input to DVI.

Viewing Closed Captions

The Closed Captioning will display text on the screen for hearing impaired viewers or it will translate and display text in another language.

Note:
The Caption feature only works in AV mode.
Not all the programs and videos will offer closed captioning. Please look for the [CC] symbol to ensure that captions have been provided.

Setting Closed Caption

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **settings** menu page.

3 Press ▼ repeatedly to select **close caption** item.

4 Press ◀ / ▶ to select **off**, **on** or **on mute** item.

    Off---Turn off the closed caption. If you select **off**, the **close caption mode**
        and **close capt. background** can not be accessed.
    On---Turn on the closed caption.
    On Mute---Turn on the closed caption when mute. If you select **on mute**, the
        close caption mode and **close capt. background** can not be
        accessed unless you mute the sound.

5 Press ▲ to select **close caption mode** item.

6 Press ◀ / ▶ to select a desired mode.

    You can select between **cc1**, **cc2**, **t1**, **t2**, **cc3**, **cc4**, **t3** and **t4**.
    The Closed Caption broadcasts can be viewed in two modes: CAPTION and
    TEXT. For each mode, four channels are available.
    The [CAPTION] mode shows subscripts of dialogues and commentaries of video programs while allowing a clear view of the picture.
    The [TEXT] mode displays various information over the picture that is independent of the video programs.
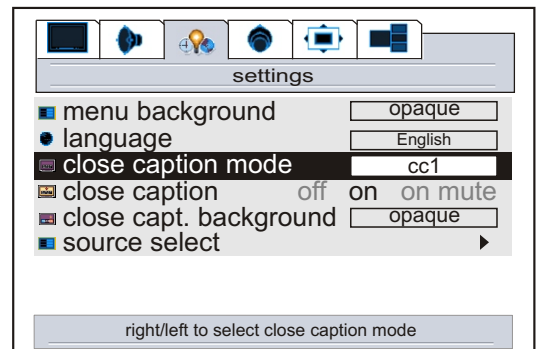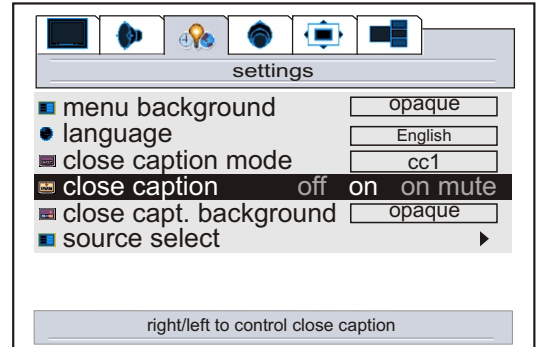
Setting the Background of Closed Caption

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **settings** menu page.

3 Press ▼ repeatedly to select **close capt. background** item.

4 Press ◀ / ▶ to select **opaque** or **transparent.**
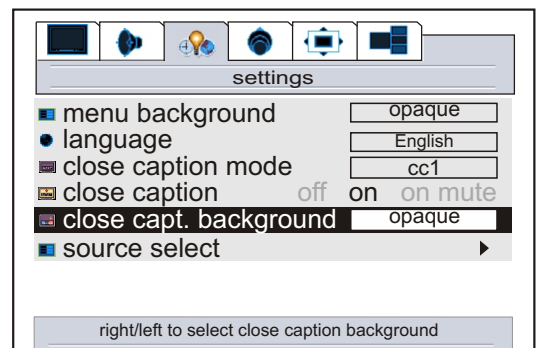
Adjusting Parental Control Settings

Parental Control

This function allows video programs to be restricted and TV usage to be controlled based on FCC data. It prevents children from watching violent or sexual scenes that may be harmful.

Restriction of video programs includes two ratings that contain information about the program: the MPAA rating and the TV Parental Guidelines. The MPAA rating is restricted by age. TV Parental Guidelines are restricted by age and content.

Since a video program may use either the MPAA rating or the TV Guidelines, both should be adjusted for complete control.

[1] Movie Rating (MPAA)

Rating		
age based	G	GENERAL AUDIENCES. All ages admitted.
	PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
	PG-13	PARENTAL STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
	R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
	NC-17	NO ONE 17 AND UNDER ADMITTED.
	X	X Rating is an older rating that is unified with NC-17 but may be encoded in the data of older movies.
	NR	NOT RATED.

Note:
The Movie rating is only age-based.

Example 1:

"PG-13" in the age based rating is blocked, this will automatically block the higher ratings "R", "NC-17", "X" also.
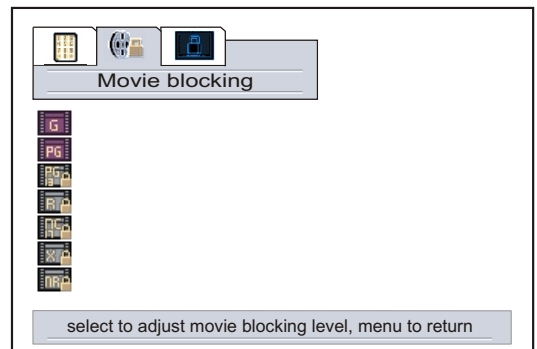
Example 2:

"R" in the age based rating is blocked, this will automatically block the higher rating "NC-17", "X" also.

[2] TV Parental Guidelines

Rating		content based				
		D	L	S	V	FV
age based	TV-Y (All children)	✕	✕	✕	✕	✕
	TV-Y7 (Direct to Older Children)	✕	✕	✕	✕	●
	TV-G (General Audience)	✕	✕	✕	✕	
	TV-PG (Parental Guidance Suggested)	●	●	●	●	
	TV-14 (Parents Strongly Cautioned)	●	●	●	●	
	TV-MA (Mature Audience Only)		●	●	●	

✕ ——— Content Rating can be set but this Rating is not normally broadcast by TV Station.

● ——— Content Rating can be set.

D: Sexually Suggestive Dialog
L: Adult Language
S: Sexual Situation
V: Violence
FV: Fantasy Violence

Note:

Age-based ratings can be modified by the content-based ratings but only in the combinations indicated by an ● in the table above.
Choosing lower age-based rating blocks the higher age-based ratings regardless of content ratings settings.

Example 1:

When TV-Y7 in the age-based rating is set to BLOCK, this will automatically block the higher ratings: TV-G, TV-PG, TV-14 and TV-MA.
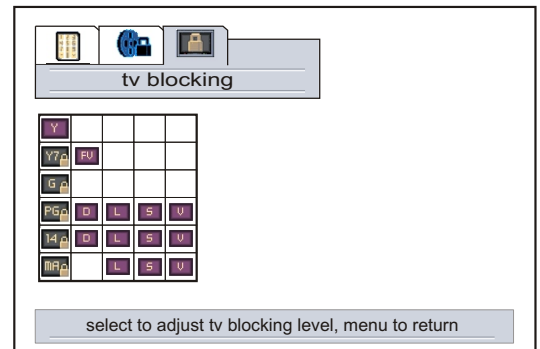
Example 2:

When TV-14 in the age-based rating is set to BLOCK, this will automatically block the higher ratings: TV-MA.
In addition, if you block "L" sub-rating in TV-PG, then the "L" sub-ratings in TV-14 and TV-MA will automatically be blocked.
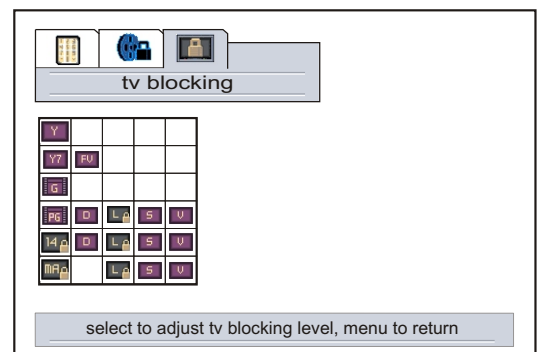
Adjusting Parental Control Settings (continued)

Accessing the Parental Control Menu

1 Press **MENU** to display the menu main page.

2 Press ◀ / ▶ to display **options** menu page.

3 Press ▼ to select **content blocking** item.

4 Press ▶ or **OK** to display password menu page.

5 Press ▼ to select **enter** item.

6 Input the password and highlight **OK**.

   Use ◀ / ▶ to move password digit leftward or rightward.
   Use ▲ / ▼ to select character for password.

   The default password is **000000**, you may change the password yourself.

7 Press **OK** to access the **Parental Control** menu.

   The unit allows you to access the Parental Control menu if you input the right password, or you will be denied.

options
🔒 **content blocking** ▶
select to activate content blocking menu

password
▣ enter ▶ 000000 OK
up/down change digit. right/left select digit
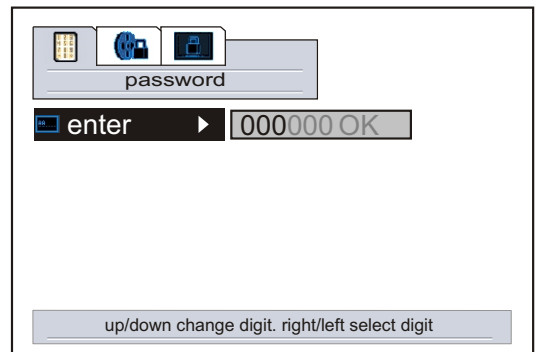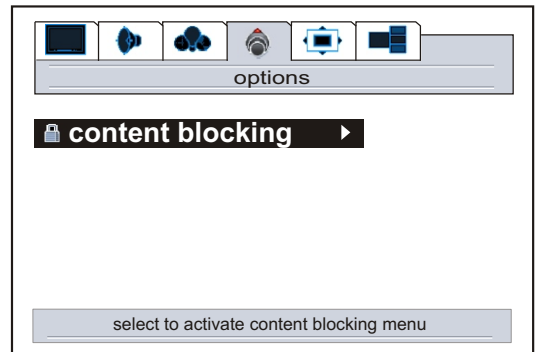
Changing the Password

1 From the **password** menu page, press ▼ to select **change** item.

2 Input a new password and highlight **OK**.

   Use ◀ / ▶ to move password digit left or right.
   Use ▲ / ▼ to select character for new password.

3 Press **OK** to confirm.

   Be sure to write down your password and retain it for future use.

password
▣ enter ▶
▣ change ▶ 000000 OK
up/down change digit. right/left select digit
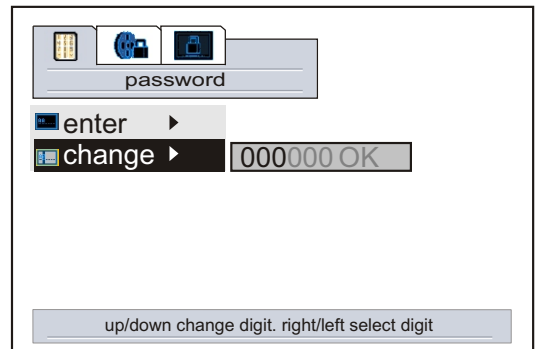
Note:
The unit provides a master password "666888". If you forget your password and can't access Parental Control menu, you may input the master password to access Parental Control menu. Please set a new password and make sure to remember your password.

Adjusting the Movie Rating

1 Repeat steps 1~7 in [***Accessing the Parental Control Menu***].

2 Press the **MENU** button.

3 Press ◀ / ▶ to display **movie blocking** menu page.

4 Press ▲ / ▼ to select a rating to be blocked.

5 Press **OK** to confirm and **MENU** to return.

"PG-13" in the age-based rating is blocked, this will automatically block the higher ratings "R", "NC-17", "X" also.
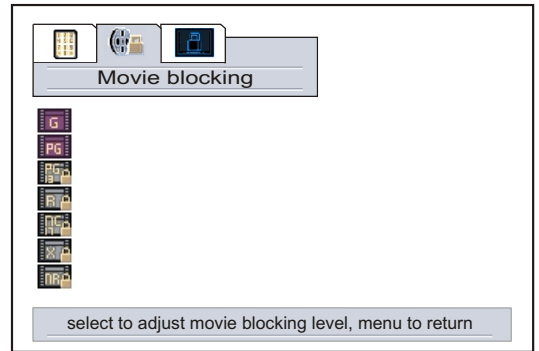
How to unblock a Movie Rating

If you want to unblock a movie rating, please repeat steps 1~3 in [***Adjusting the Movie Rating***] and use ▲ / ▼ to select a blocked movie rating, then press **OK** to confirm.

Adjusting the TV Rating

1 Repeat steps 1~7 in [***Accessing the Parental Control Menu***].

2 Press the **MENU** button.

3 Press ◀ / ▶ to display **tv blocking** menu page.

4 Press ▲ / ▼ or ◀ / ▶ to select an age or content rating to be blocked.
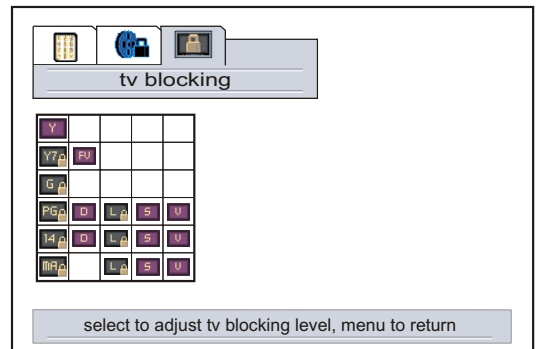
5 Press **OK** to confirm and **MENU** to return.

When TV-Y7 in the age-based rating is set to BLOCK, this will automatically block the higher ratings: TV-G, TV-PG, TV-14 and TV-MA.
In addition, if you block "L" sub-rating in TV-PG, then the "L" sub-ratings in TV-14 and TV-MA will automatically be blocked.

Note:

Since a video program may use either the MPAA rating or the TV Guidelines, both should be adjusted for complete control.

How to unblock a TV Rating

If you want to unblock a TV rating, please repeat steps 1~3 in [***Adjusting the TV Rating***] and use ▲ / ▼ or ◀ / ▶ to select a blocked TV rating (including age rating and content rating), then press **OK** to confirm.

Troubleshooting

Before calling for repair service, check the following items for possible remedies to an encountered symptom.

Symptoms	Check item
No power	• Check that the AC power cord is plugged into the mains socket. • Unplug the power cord, wait for 60 seconds. Then re-insert plug into the mains socket and turn on the unit again.
No picture	• Check video connections at the rear of the unit to see if it is properly connected to the unit. • Adjust the contrast and brightness settings. • Select a correct input. • Is a non-compatible signal being input?
Good picture but no sound	• Increase the VOLUME. • Check that the unit is not muted. • Check that the Speaker item in SOUND menu is set to ON.
Good sound but poor color	• Adjust the contrast, color and brightness settings.
Poor picture	• Sometimes, poor picture quality occurs when an activated S-VHS camera or camcorder is connected while another activated peripheral is connected. In this case, switch off one of the peripherals. • Check whether the room is too bright.
Horizontal dotted line	• This may be caused by electrical interference (e.g. hairdryer, nearby neon lights, etc.). • Turn off the equipment.
Remote operation fails.	• This remote control is a universal remote control. If the remote control does not work correctly when operating the monitor, try pressing the TV button. • Check whether the batteries are working. Replace if necessary. • Clean the remote control sensor lens on the unit. • Do not use the remote control under strong or fluorescent lighting. • The batteries should be inserted with polarity (+, -) aligned.
Snowy picture and noise	• Check the A/V connections.
No stable or not synchronized VGA picture	• Check if you have selected the correct VGA mode in your PC.
No output from one of the speakers	• Adjust Balance in the SOUND menu.
Control buttons do not work.	• Unplug the power cord, wait for a few seconds. Then re-plug the power cord and turn on the unit again.

> **Do not use in hot and cold rooms (locations)**
> • When the unit is used in rooms (locations) with low temperature, the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
> • Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the PDP panel to malfunction.
> (Storage temperature: 0°C to +50°C Working temperature: 5°C to +40°C)

Note:
If your problem is not solved, turn your unit off and then on again.
Never attempt to repair a PDP monitor yourself.

Plasma Display panel

Symptoms	Check item
Some parts of the screen do not light up.	The plasma display panel is manufactured using an extremely high level of precision technology, however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.
After-images appear	Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma Display. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. Note: The permanent after-image on the Plasma Display resulting from fixed image use is not an operating defect. This product is not designed to display fixed images for extended periods of time.
Snapping sounds may be heard from the display unit.	This sound is produced when the cabinet expands or contracts due to variations in temperature and is not a malfunction.
In DVI input mode, PIP, Split Screen or POP3 is turned off and the Plasma Display switches to VGA input mode.	Go to the Input Menu (page 17) and switch the input to DVI.
Loss of signal or scrambled picture with DVI input	Due to variances in DVI with HDCP (High-bandwidth Digital Content Protection) standards associated with cable and satellite boxes, Polaroid recommends using the Component Video (YPbPr) outputs from your cable/satellite box. Polaroid recommends reserving the DVI input for other sources which also have DVI outputs (i.e. DVD players, PCs).

Cleaning and Maintenance

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

✐ If the surface is particularly dirty, soak a soft, lint-free cloth in a weak detergent solution and then wring the cloth to remove excess liquid. Use this cloth to wipe the surface of the display panel, then wipe it evenly with a dry cloth, of the same type, until the surface is dry.

✐ Do not scratch or hit the surface of the panel with fingernails or other hard objects. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the surface may be adversely affected.

If the cabinet becomes dirty, wipe it with a soft, dry cloth.

✐ If the cabinet is particularly dirty, soak the cloth in a weak detergent solution and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.

✐ Do not allow any detergent to come into direct contact with the surface of the Plasma Display. If water droplets get inside the unit, operating problems may result.

✐ Avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

Specifications

Type	PDP monitor
Display Size diagonal	42" Wide
Display Feature	
Resolution	852 X 480
Pixel Pitch	1.095 X 1.110 mm
Maximum Colors	16,777,000
Brightness	1000 nit
Contrast	3000:1
Viewing Angle	160°/160°
Video Features	Progressive Scan
Audio Speaker System	
Speaker Type	Detachable
Maximum Audio Output	10Wx2
Stereo Sound System	BTSC
Mount Support	Wall Mount
Power Supply	AC110-240V 50/60Hz
Power Consumption	400W
Stand by Mode Power Consumption	5W
Unit Weight (lb)	86
Unit Dimensions (WxHxD) (inch)	49 x 28.8 x 11.3
Other Features	Double Screen
	Picture in Picture
	Sleep Timer
	Picture Freeze
Caption	Closed Caption
Security	Parental Control
	OSD Support English, French, Spanish

Remote Control function support for full OSD features

Terminals

Video In	AV : RCA 75ohms composite video x 1
	S-Video : 4-pin DIN x 1
	D-Sub 15 x 1
	DVI x 1
	YPbPr/YCbCr (Support HDTV): RCA 75 ohms x 2
Video Out	RCA 75 ohms
Audio In	L/R RCA for S-Video or AV x 1
	Stereo mini phone Jack for PC x 1
	Stereo mini phone Jack for DVI x 1
	Stereo mini phone Jack for YPbPr/YCbCr x 2
Audio Out	L/R RCA for Video Out x 1
	Headphone Jack : Stereo mini phone Jack x 1
	Speaker Out x 2
Other	RS232 x 1
Accessories	1 User Manual,
	1 Remote Control,
	2 AAA Batteries,
	1 Power Cable,
	1 PC D-Sub Signal Cable,
	1 Component-Video Cable (YPbPr/YCbCr),
	1 Audio/Video Cable
	1 Audio Cable,
	2 Speaker Cables

Display Format Supported by This Unit

For VGA: 640X480 @ 60Hz,72Hz,75Hz,85Hz;   800X600 @ 60Hz,72Hz,75Hz,85Hz;
         1024X768 @ 60Hz;   1280X1024 @ 60Hz.

For DVI: 640X480 @ 60Hz,72Hz,75Hz,85Hz;   800X600 @ 60Hz,72Hz,75Hz,85Hz;
          1024X768 @ 60Hz;   1280X1024 @ 60Hz.

For YPbPr: 480P @ 50Hz, 59Hz, 60Hz;
           720P @ 50Hz, 59Hz, 60Hz;
           1080i @ 50Hz, 59Hz, 60Hz.

For service, support and warranty information, visit www.pwwservice.com or call 1-866-396-6322.

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Programming the Polaroid Universal Remote Control

Following are two sets of instructions for programming your Polaroid Universal Remote Control to work with other devices in addition to your Polaroid TV. **(If you only wish to use the remote control with your Polaroid TV, no additional programming is necessary.)** Begin with the Direct Programming Setup, and if unsuccessful, go on to the Auto Code Search Setup.

Direct Programming Setup

This method requires use of one of the device codes found in the Device Code Table (see last pages of your Operating Manual). Begin with the first code listed for your device.

1 Turn the device power off and point the Polaroid Universal Remote Control at the device you wish to control.

2 Momentarily press a device button on the Polaroid Universal Remote Control (**TV, DVD, CBL**, or **AUX**). When you release the device button the red LED at the top of the remote will blink once.
Note: For devices other than a TV, DVD, or Cable Box, use the **AUX** key.

3 Press and hold the **SET** button (top-left button) until you see the LED blink once, followed by two short blinks. Release the **SET** button after you see the two short LED blinks.

4 Enter the 5-digit code from the code table for the device you want to control. The LED blinks once each time you press a numbered button. **After you enter the last digit:**

>   a) If the code you entered is the correct code for your device, you will see the LED blink **twice**. **Go to step 5.**
>   b) If the code you entered is not the correct code for your device, you will see the LED blink **once**. Repeat steps 2-4, this time choosing the next code in the list.

5 Press the Power button (top right-side button) on the remote and your device power should turn on. If the power does not turn on, repeat the entire procedure beginning with step 1.

If you are unable to program the remote properly after two or more attempts using the Direct Programming Setup, go on to the Auto Code Search Setup.

Auto Code Search Setup

This method <u>does not</u> require use of the Device Code Table.

1 Turn the device power off and <u>point</u> the Polaroid Universal Remote Control at the device you wish to control.

2 Momentarily press a device button on the Polaroid Remote Control (**TV, DVD, CBL**, or **AUX**). When you release the device button the red LED at the top of the remote will blink once.
Note: For devices other than a TV, DVD, or Cable Box, use the **AUX** key.

3 Press and <u>hold</u> the **SET** button (top-left button) until you see the LED blink once, followed by two short blinks. Release the **SET** button after you see the two short LED blinks.

4 Press **9 - 9 - 1** on the number pad. Each time you press the number **9** button the LED blinks **once**. When you press the number **1** button, the LED blinks **twice**.

5 Enter the following number, depending on the device you are trying to control. When you release the button, you should see two short LED blinks.

       Cable or Satellite box – Press **0**
       TV – Press **1**
       DVD player – Press **2**
       Audio device or VCR – Press **3**

6 Momentarily press the power button (top-right button) and release it.

7 Press the **CH+** button, slowly and repeatedly, until the device you want to control turns on. **Stop pressing immediately when the device power turns on**.

Note: If you press the **CH+** button too quickly you may save the wrong code, in which case the remote control will not turn the device power on. Start at step 1 and repeat the programming steps again.

8 When the device turns on, press and <u>hold</u> the **SET** button until you see the LED blink **twice**. The code is now saved, and the remote should operate properly.

Remote Control ID Code List

Setup Code For TVs

Addison	10092
Admiral	10093, 10463
Advent	10761, 10842
Aiko	10092
Aiwa	11914
Akai	10812, 10702, 10030, 10672, 11903
Albatron	10700, 10843
America Action	10180
Anam	10250, 10180, 10700
Anam National	10250, 10650
Anhua	10051
AOC	10451, 10093, 10180, 10060, 10030, 10178, 10092
Apex Digital	10748, 10765, 10879, 10767, 11943
Audiovox	10451, 10180, 10875, 10092, 10623
Baile	10661
Beijing	10812, 10661
Bell & Howell	10154
BenQ	11032
Bradford	10180
Broksonic	10236, 10463, 11911, 11938, 11905, 11935, 11929
Cailing	10748
Candle	10030
Carnivale	10030
Carver	10054
Celebrity	10000
Celera	10765
Changcheng	10051, 10661
Changhong	10156, 10765, 11156, 10767
Ching Tai	10092
Chun Yun	10000, 10180, 10700, 10092, 10843
Chung Hsin	10180, 10053
Cinema	10672
Citizen	10060, 10030, 11928, 10092
Clarion	10180
Commercial Solutions	11447, 10047
Conrowa	10156, 10145, 11156
Contec	10180
Craig	10180
Crosley	10054
Crown	10180
Curtis Mathes	10047, 10054, 10154, 10451, 10093, 10060, 10702, 10030, 10145, 10166
CXC	10180
Daewoo	10154, 10451, 10180, 10030, 10178, 10672, 11928, 10092, 10661, 11909, 10623, 10700
Dayu	10661
Dell	11080
Denon	10145
Dumont	10017
Durabrand	10463, 10180, 10178, 10171, 11034

Electroband	10000
Emerson	10154, 10236, 10463, 10180, 10178, 10171, 11944, 11909, 11929, 11905, 11928, 10623, 11911
Envision	10030
Ether	10030
Firstar	10236
Fisher	10154
Fortress	10093
Fujitsu	10809, 10853
Funai	10180, 10171, 11904
Furi	10145
Futuretech	10180
Gateway	11756, 11755
GE	11447, 10047, 11454, 10051, 10451, 10180, 10030, 10178, 11917, 10092, 11907, 11922
Gibralter	10017, 10030
GoldStar	10154, 10030, 10178, 11926
Grunpy	10180
Haier	11034
Hallmark	10178
Hankook	10180, 10030, 10178
Harley Davidson	11904
Harman/Kardon	10054
Harvard	10180
Havermy	10093
Helios	10865
Hello Kitty	10451
Hisense	10156, 10748, 10145, 11156
Hitachi	10156, 10030, 10178, 11145, 10145, 10092, 11904, 11156
Hongmei	10093
Huafa	10145
Huari	10145
Huodateji	10051
Imperial Crown	10661
Infinity	10054
Inteq	10017
JBL	10054
JCB	10000
Jean	10156, 10051, 10236, 10092
Jensen	10761
Jiahua	10051
Jinfeng	10051
Jinxing	10054, 10156, 10145
JVC	10053, 11923, 11253
Kangli	10661
KEC	10180
Kenwood	10030
KLH	10765, 10767
Kolin	10180, 10150, 10053
KTV	10180, 10030
Kunlun	10051, 10661
LG	10060, 10030, 10178, 10856, 10700, 10025
Lloyd's	11904
LXI	10047, 10054, 10154, 10156, 10178

Magnasonic	11928, 11913
Magnavox	11454, 10054, 10030, 10706, 11931, 11254, 11913, 11904, 11944
Magnin	11907
Marantz	10054, 10030, 10704
Matsushita	10250, 10650
Maxent	11755
Megapower	10700
Megatron	10178, 10145
Memorex	10154, 10463, 10150, 10178, 11911, 11926, 11924, 11920, 11927
MGA	10150, 10030, 10178, 11907
Midland	10047, 10017, 10051
Mitsubishi	10154, 10250, 10093, 10236, 10180, 11250, 10150, 10030, 10178, 11917, 10836
Monivision	10843, 10700
Motorola	10093
MTC	10060, 10030
Mudan	10051
Multitech	10180
NAD	10156, 10178, 10866
National	10051
NEC	10154, 10156, 10051, 10053, 10030, 10178, 11704
Newave	10093, 10178, 10092
Nikko	10030, 10178, 10092
Norcent	10748, 10824
NTC	10092
Onwa	10180
Optimus	10154, 10250, 10166, 10650, 11927, 11924, 11913
Optonica	10093
Orion	10236, 10463, 11929, 11911, 11905
Panasonic	10054, 10250, 10051, 10650, 11941, 11927, 11924
Panda	10051, 10706
Penney	10047, 10156, 10051, 10060, 10030, 10178, 11926, 11907
Philco	10054, 10180, 10030, 10178
Philips	11454, 10054, 10000, 10051, 10030, 10178, 10092, 10690
Pilot	10030
Pioneer	10166, 10866, 10679
Portland	10092
Prima	10761
Princeton	10700
Prism	10051
Proscan	11447, 10047, 11922
Proton	10030, 10178
Pulsar	10017
Qingdao	10051
Quasar	10250, 10051, 11924, 10650
RadioShack	10047, 10154, 10180, 10030, 10178, 11920, 11904
RCA	11447, 10047, 11454, 10000, 10030, 10178, 11547, 11922, 1917, 10092, 11907, 11948, 10090, 10679
Realistic	10154, 10180, 10030, 10178
Rowa	10748
Runco	10017, 10030

Sampo	10154, 10093, 10030, 10178, 10171, 10700, 10650, 11755, 10092
Samsung	10154, 10156, 10060, 10812, 10702, 10030, 10178, 11060, 10814, 10092, 11903, 10090, 10766
Sansui	10463, 11904, 11935, 11929, 11911
Sanyo	10154, 10156, 10180, 10145, 11907
Sanyuan	10093
Scotch	10178
Scott	10236, 10180, 10178
Sears	10047, 10054, 10154, 10156, 10178, 10171, 11926, 11904
Shaofeng	10145
Sharp	10093, 10030, 10650, 11917
Shen Ying	10092
Shencai	10145
Sheng Chia	10093, 10236
Skygiant	10180
Skyworth	10748
Sony	11100, 10000, 10650, 11925, 11904
Soundesign	10180, 10178
Sowa	10156, 10051, 10060, 10178, 10092
Squareview	10171
SSS	10180
Starlite	10180
Studio Experience	10843
Supreme	10000
SVA	10748, 10865
Sylvania	10054, 10030, 10171, 11944, 11931
Symphonic	10180, 10171, 11913, 11904
Synco	10000, 10451, 10093, 10060, 10178, 10092
Tacico	10178, 10092
Tandy	10093
Tashiko	10092, 10650
Tatung	10054, 10154, 10156, 10051, 10060, 11156, 11756, 11254
Technics	10250, 10051
Techwood	10051
Teco	10051, 10093, 10178, 10092
Teknika	10054, 10180, 10150, 10060, 10092
Telefunken	10702
Tera	10030
Thomas	11904
Tiane	10093
TMK	10178
TNCi	10017
Tobo	10748
Toshiba	10154, 10156, 10060, 10145, 11945, 11704, 11936, 11156, 11935, 10650, 11918
Tuntex	10030, 10092
TVS	10463
V Inc.	11756, 10885, 10864
Vector Research	10030
Victor	10250, 10053, 10650
Vidikron	10054
Vidtech	10178
Viewsonic	11755, 10885, 10864
Wards	10054, 10030, 10178, 10866, 11156
Warumaia	10661
Waycon	10156
White Westinghouse	10463, 11909, 10623
Yamaha	10030
Yapshe	10250
Zenith	10017, 10463, 10178, 11904, 11929, 11911, 11909, 10092

Setup Code For VCRs

ABS	21972
Admiral	20048, 20209
Aiko	20278
Aiwa	20037, 20479
Alienware	21972
America Action	20278
American High	20035
Amoisonic	20479
Anam	20162, 20037, 20240, 20278
Anam National	20162
Asha	20240
Audiovox	20037, 20278
Beaumark	20240
Bell & Howell	20104
Broksonic	20184, 20121, 20209, 20002, 20479
Calix	20037
Canon	20035
Carver	20081
CCE	20072, 20278
Changhong	20048, 20081
Citizen	20037, 20278
Colt	20072
Craig	20037, 20047, 20240, 20072
Curtis Mathes	20060, 20035, 20162
Cybernex	20240
CyberPower	21972
Daewoo	20045, 20104, 20278
Dell	21972
Denon	20042
DirecTV	20039, 20038
Electrohome	20037
Electrophonic	20037
Emerex	20032
Emerson	20035, 20037, 20184, 20240, 20045, 20121, 20043, 20209, 20002, 20278, 20479
Fisher	20047, 20104
Fuji	20035, 20033
Fujitsu	20045
Gateway	21972
GE	20060, 20035, 20240
General	20045
Go Video	20432
GoldStar	20037, 20209, 20038, 20225
Haojie	20240
Harman/Kardon	20081, 20038
Harwood	20072
Hewlett Packard	21972
HI-Q	20047
Hitachi	20037, 20042, 20055
Howard Computers	21972
HP	21972
Hughes Network Systems	20042, 20739
iBUYPOWER	21972

JVC	20045, 20067
KEC	20037, 20278
Kenwood	20067, 20038
KLH	20072
Kodak	20035, 20037
Kolin	20043
LG	20037, 20045, 20042, 20209, 20038
Logik	20072
LXI	20037
Magnavox	20035, 20039, 20081
Magnin	20240
Marantz	20035, 20081
Marta	20037
Matsushita	20035, 20162
Media Center PC	21972
MEI	20035
Memorex	20035, 20162, 20037, 20048, 20039, 20047, 20240, 20104, 20209, 20479
MGA	20240, 20043
MGN Technology	20240
Microsoft	21972
Mind	21972
Minolta	20042
Mitsubishi	20067, 20043
Motorola	20035, 20048
MTC	20240
Multitech	20072
NEC	20035, 20037, 20048, 20104, 20067, 20038
Newave	20037
Nikko	20037
Noblex	20240
Northgate	21972
Olympus	20035
Optimus	21062, 20162, 20037, 20048, 20104, 20432
Orion	20184, 20209, 20002, 20479
Panasonic	21062, 20035, 20162, 20616, 20225
Penney	20035, 20037, 20240, 20042, 20038
Pentax	20042
Philco	20035, 20479
Philips	20035, 20081, 20739, 20618
Pilot	20037
Pioneer	20042, 20067
Polk Audio	20081
Profitronic	20240
Proscan	20060
Protec	20072
Pulsar	20039
Qisheng	20060
Quasar	20035, 20162
Radix	20037
Randex	20037
RCA	20060, 20035, 20240, 20042, 20880
Realistic	20035, 20037, 20048, 20047, 20104
ReplayTV	20616
Runco	20039
Sampo	20037, 20048
Samsung	20240, 20045, 20432
Sanky	20048, 20039
Sansui	20067, 20209, 20479
Sanyo	20047, 20240, 20104

Scott	20184, 20045, 20121, 20043
Sears	20035, 20037, 20047, 20042, 20104
Sharp	20048, 20209
Shintom	20072
Shogun	20240
Singer	20072
Sonic Blue	20616
Sony	20035, 20032, 20033, 20636, 21972
STS	20042
Sylvania	20035, 20081, 20043
Systemax	21972
Tagar Systems	21972
Tashiko	20037
Tatung	20045, 20067
Technics	20035, 20162
Teco	20035, 20037, 20048, 20038
Teknika	20035, 20037
Tivo	20636, 20618, 21503, 20739
TMK	20240
Toshiba	20045, 20042, 20067, 20043, 21503, 21008, 21972
Totevision	20037, 20240
Touch	21972
Unitech	20240
Vector	20045
Vector Research	20038
Victor	20067
Video Concepts	20045
Videomagic	20037
Videosonic	20240
Viewsonic	21972
Wards	20060, 20035, 20048, 20047, 20081, 20240, 20042, 20072
White Westinghouse	20209, 20072
XR-1000	20035, 20072
Yamaha	20038
Zenith	20039, 20033, 20209, 20479
ZT Group	21972

Setup Code For Digital Video Disks

Aiwa	20641, 21912
Akai	20770
Allegro	20869
Apex Digital	20672, 20717, 20797, 21061, 20796, 21056, 21937, 20794, 21020, 21915
Blaupunkt	20717
Blue Parade	20571
Broksonic	20695
Changhong	20627, 21061
CineVision	20869
Coby	21086
Curtis Mathes	21087
CyberHome	21024, 21023, 21129, 20816, 21117
Daewoo	20833, 21172, 20869
Denon	20490
DVD2000	20521
Emerson	20591, 20675
Enterprise	20591

Fisher	21919
Funai	20675
Gateway	21158, 21073
GE	20522, 20717
Go Video	20744, 20833, 21099, 20783, 21075, 20869, 21730
Greenhill	20717
Harman/Kardon	20582, 20702
Hitachi	20573, 20664, 21919
Hiteker	20672
Initial	20717
Integra	20627, 21924
JBL	20702
JVC	20558, 20623, 20867
Kenwood	20490, 20534
KLH	20717, 21020, 21149
Koss	20651, 21980
Lasonic	20798
LG	20591, 20869, 20801
Liquid Video	21980
Lite-On	21158, 21058
Loewe	20511
Magnavox	20503, 20539, 21976, 21914, 20675
Marantz	20539
Memorex	20695
Microsoft	20522
Mintek	20717
Mitsubishi	21521, 20521
Nesa	20717
Norcent	21003
Onkyo	20503, 20627, 21924, 20792
Oritron	20651, 21980
Panasonic	20490, 21762, 21990
Philips	20503, 20539, 20646, 21914
Pioneer	20525, 20571
Polaroid	21086, 21061
Polk Audio	20539
Portland	20770
Proscan	20522
Qwestar	20651
RCA	20522, 20571, 20717, 20822
Rio	20869
Rotel	20623
Sampo	20752, 20698
Samsung	20490, 20573, 21932, 21075, 20820
Sansui	20695
Sanyo	20695
Sharp	20630, 20752
Sharper Image	21117
Sherwood	20770
Shinco	20717
Shinsonic	20533
Sonic Blue	20869, 21099
Sony	20533, 20864, 21033, 21904, 21903
SVA	20717
Sylvania	20675
Symphonic	20675

Teac	20717, 21984, 20809
Technics	20490
Theta Digital	20571
Toshiba	20503, 20695
Urban Concepts	20503
Xbox	20522
Yamaha	20490, 20539, 20545
Zenith	20503, 20591, 20869

Setup Code For Cable Converters

ABC	00003, 00008, 00014
Americast	00899
Bell & Howell	00014
Bell South	00899
Clearmaster	00883
ClearMax	00883
Coolmax	00883
Daeryung	01877, 00877, 00477, 00008
Digi	00637
Director	00476
Dumont	00637
Gehua	00476
General Instrument	00476, 00810, 00276, 00003, 00014
GoldStar	00144
Hamlin	00009, 00273
Hitachi	00014
Jerrold	00476, 00810, 00276, 00003, 00012, 00014
KNC	00008
LG	00144
Memorex	00000
Motorola	00476, 00810, 00276, 01254, 01376
MultiVision	00012
Pace	01877, 00237
Panasonic	00000, 00008, 00107
Panther	00637
Paragon	00000
Philips	00317, 01305
Pioneer	01877, 00877, 00144, 00533
Pulsar	00000
Quasar	00000
RadioShack	00883
Regal	00279, 00273
Runco	00000
Samsung	00000, 00144
Scientific Atlanta	01877, 00877, 00477, 00008
Sony	01006
Starcom	00003, 00014
Supercable	00276
Supermax	00883

Tocom	00012
Torx	00003
Toshiba	00000
Trans PX	00276
Tristar	00883
TS	00003
V2	00883
Viewmaster	00883
Vision	00883
Vortex View	00883
Zenith	00000, 00525, 00899

Setup Code For Satellite Receivers

AlphaStar	00772
Chaparral	00216
Crossdigital	01109
DirecTV	00392, 00566, 00639, 01142, 00247, 00749, 01749, 00724, 00819, 01856, 01076, 01109, 00099, 01392, 01640, 01442, 01414, 01108
Dish Network System	01005, 00775, 01505
Dishpro	01005, 00775, 01505
Echostar	01005, 00775, 01505
Expressvu	00775
GE	00566
General Instrument	00869
GOI	00775
Goodmans	01246
Hisense	01535
Hitachi	00819, 00222, 01250
HTS	00775
Hughes Network Systems	01142, 00749, 01749, 01442
I-Lo	01535
JVC	00775
LG	01414, 01226
Magnavox	00724, 00722
Memorex	00724
Mitsubishi	00749
Motorola	00869
NEC	01270
Next Level	00869
Panasonic	00247, 00701
Paysat	00724
Philips	01142, 00749, 01749, 00724, 01076, 00722, 00099, 01442
Proscan	00392, 00566
Proton	01535
RadioShack	00869
RCA	00392, 00566, 00855, 00143, 01392
Samsung	01276, 01109, 01108
Sanyo	01219
SKY	00856
Sony	00639, 01640
Star Choice	00869

Tivo	01142, 01442
Toshiba	00749, 01749, 00790, 01285
UltimateTV	01640, 01392
Uniden	00724, 00722
US Digital	01535
USDTV	01535
Voom	00869
Zenith	00856, 01856

Setup Code For Audio Amplifiers

Bose	30674
GE	30078
JVC	30331
Marantz	30321
Nakamichi	30321
NEC	30264
Optimus	30395
Realistic	30395
Sansui	30321
Shure	30264
Sony	30689
Soundesign	30078
Victor	30331
Wards	30078
Yamaha	30354, 30133

Setup Code For CD Players

Aiwa	30157
Burmester	30420
California Audio Labs	30029
Carver	30157, 30179
Denon	30873
DKK	30000
DMX Electronics	30157
Dynamic Bass	30179
Fisher	30179
Garrard	30420
Genexxa	30032
Harman/Kardon	30157, 30173
Hitachi	30032
Integra	30101
JVC	30072
Kenwood	30826, 30626, 30028, 30037, 30036, 30190
Krell	30157
Linn	30157
Magnavox	30157
Marantz	30626, 30029, 30157
MCS	30029
Miro	30000

Mission	30157
MTC	30420
NSM	30157
Onkyo	30868, 30101
Optimus	31063, 30000, 30032, 30037, 30420, 30179, 31075, 30145
Panasonic	30029
Parasound	30420
Philips	30626, 30157
Pioneer	31063, 31062, 30032
Polk Audio	30157
Proton	30157
QED	30157
Quad	30157
Quasar	30029
RadioShack	31075
RCA	31062, 30032, 30420, 30179, 30053
Realistic	30420, 30179
Rotel	30157, 30420
SAE	30157
Sansui	30157
Sanyo	30179
SAST	30157
Sharp	30861, 30037
Silsonic	30888, 30036
Sonic Frontiers	30157
Sony	30490, 30000, 30100
Soundesign	30145
TAG McLaren	30157
Tascam	30420
Teac	30420
Technics	30029
Victor	30072
Wards	30157, 30053
Yamaha	30888, 30036
Zonda	30157

Setup Code For Audio Amp/Tuners

ADC	30531
Aiwa	31405, 31243, 30121
Anam	31609, 31074
Audiotronic	31189
Bose	31229
Capetronic	30531
Carver	31189
Coby	31263
Denon	31360, 31142, 30904
Fonmix	31360
Glory Horse	31263

Harman/Kardon	30110
Hitachi	31273
Inkel	30027
Integra	30135
JBL	30110
JVC	30074, 31263
Kenwood	31313, 31570, 30027
KLH	31428
Magnavox	31189, 31269, 30531
Marantz	31189, 31269, 30039
MCS	30039
Onkyo	30842, 30135
Optimus	31023, 30670, 30531, 31074
Panasonic	31518, 30039
Philips	31189, 31269
Pioneer	31023, 30150, 30014, 30630, 30531
Proscan	31254
Qisheng	31609
Quasar	30039
RadioShack	31263
RCA	31023, 31609, 31254, 30531, 31074
Sharper Image	31263
Silsonic	30176
Sony	31058, 31441, 31258, 31759
Soundesign	30670
Stereophonics	31023
Sunfire	31313
Teac	31074, 31267
Technics	31308, 31518, 30039
Thorens	31189
Victor	30074
Wards	30014
Yamaha	30176, 31276, 31176