PDP-TELEVISION
(PLASMA DISPLAY PANEL)

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

Important Safety Instructions

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong 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) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/accessories specified by the manufacturer.

12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

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

Warning! Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

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

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I), that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution: FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

Attention: pour eviter les chocs electriques, introduire la lame le plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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

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

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

Important Safety Information

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

- Read all safety and operating instructions before operating your PDP.
- Keep the safety and operating instructions for future reference.
- Heed all warnings on the PDP and in the operating instructions.
- Follow all operating and use instructions.
- Unplug the PDP from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.
- Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.
- Do not use the PDP where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.
- Do not place the PDP on an unstable cart, stand, tripod, bracket, table, or floor where it can fall. A falling PDP can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the PDP. Follow the manufacturer's instructions when mounting the unit, and use a mounting accessory recommended by the manufacturer. Move the PDP and cart with care. Quick stops, excessive force, and uneven surfaces can make the unit and cart unsteady and likely to overturn.

- Provide ventilation for the PDP. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the PDP on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. Do not place the PDP in a rack or bookcase.
  Ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.
- Operate your PDP only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.
- Use only a grounded or polarized outlet. For your safety, this PDP is equipped with a polarized alternating current line plug having one blade wider than the other.
  This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your outlet.
- Protect the power cord. Power supply cords should be routed so that they won't be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

- Unplug the PDP from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.

- Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.

- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the PDP.

- Ground outdoor antennas. If an outside antenna or cable system is connected to the PDP, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about 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.

- Do not attempt to service the PDP yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - when the power-supply cord or plug is damaged
  - if liquid has been spilled on the unit or if objects have fallen into the unit
  - if the PDP has been exposed to rain or water
  - if the PDP does not operate normally by following the operating instructions
  - if the PDP has been dropped or the cabinet has been damaged
  - when the PDP exhibits a distinct change in performance

- If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the PDP to normal.

- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.

- Upon completion of any service or repairs to this PDP, ask the service technician to perform safety checks to determine that the PDP is in a safe operating condition.

- The PDP can properly operate in a temperature range of 32~104°F(0~40°C) and 80% humidity.
  Do not use in a hot and humid place.

- Before moving the PDP equipped with speakers, separate the speakers from the PDP.
  If you move the PDP with the speakers attached, it may result in damage or injury.

FCC Information

User Instructions

NOTE: 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 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 receptions, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4 .

The party responsible for product compliance: Your dealer

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product. Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal to or exceeds the monitor voltage rating.
For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed Detachable power supply cord with NEMA configuration 6015P type (tandem blades) plug cap.

IC Compliance Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations of ICES-003.

Notice de Conformité IC

Cet appareil numérique de classe B respecte toutes les exigences du Règlement ICES-003 sur les équipements produisant des interférences au Canada.

VCCI

This is a Class B product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numéique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause unesired operation.

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Important Warranty Information Regarding Television Format Viewing

Wide screen format PDP Displays (16:9,the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video.The images displayed on them should primarily be in the wide screen 16:9 ratio format,or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally,viewing other stationary images and text such as stock market reports, video game displays,station logos,web sites or computer graphics and patterns,should be limited as described above for all televisions. ***Displaying stationary images that exceed the above guidelines can cause uneven aging of PDP Displays that leave subtle,but permanent burned-in ghost images in the PDP picture.To avoid this,vary the programming and images, and primarily display full screen moving images,not stationary patterns or dark bars.*** On PDP models that offer picture sizing features,use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven PDP aging as a result of format selection and use,as well as burned-in images, are not covered by your Your dealer limited warranty.

User Instructions

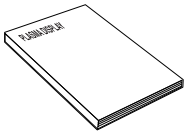
- ***Screen Image retention***
  Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as “screen burn”. To avoid such image retention, reduce the degree of brightness and contrast of this screen when displaying a still image.

- ***Cell Defect***
  The plasma display panel consists of fine cells. Although the panels are produced with more than 99.9 percent active cells, there may be some cells that do not produce light or remain lit.

- ***Height***
  The PDP can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height and do not install and operate there.

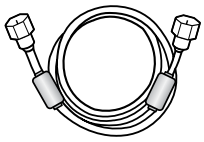
- ***Warranty***
  - Warranty does not cover any damage caused by image retention.
  - Burn-in is not covered by the warranty.

Checking Parts



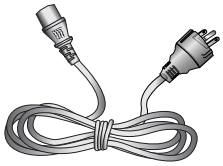
Owner’s Instructions

Remote Control/AAA Batteries



Antenna Cable

Speaker Cables



Power Cord

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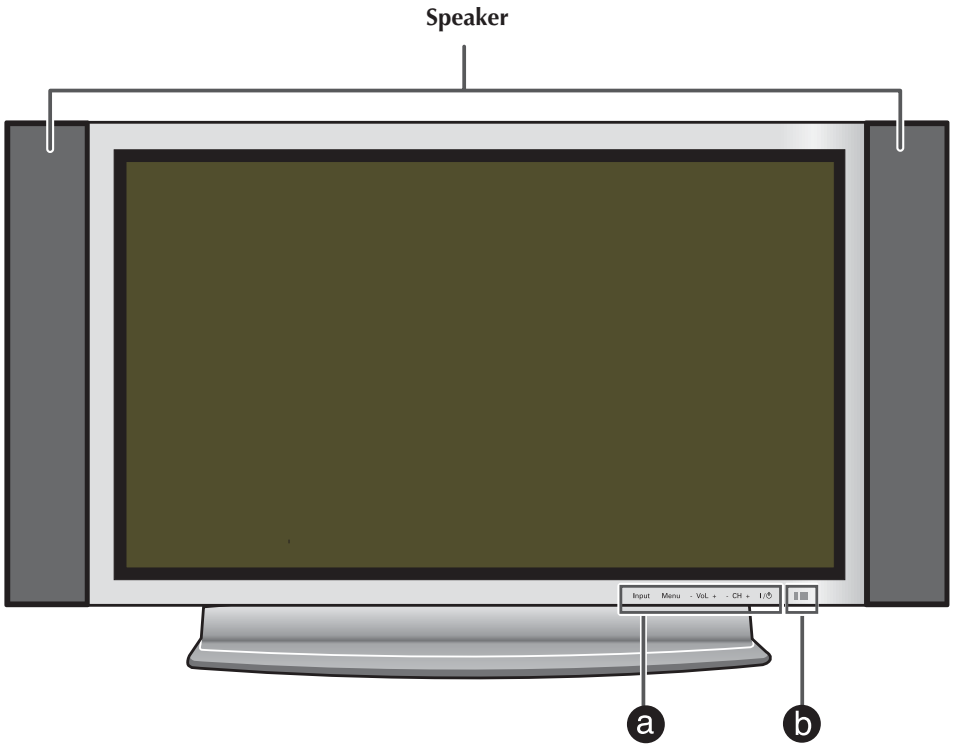
Your New Plasma Display Panel

Front Panel



a

Input

Press to display all of the available video sources

(i.e., TV, Video1, Video2, S-Video1, S-Video2, Component, RGB, DVI)

Menu

Displays the main on-screen menu and exit the menu.

- Vol +

Press to increase or decrease the volume.

Also used to select or adjust items on the on-screen menu.

- CH +

Change channels. Also used to move up or down in the On-screen menu.

I / ⏻

Press to turn the PDP on and off.

b

Power Indicator

Power off : Red

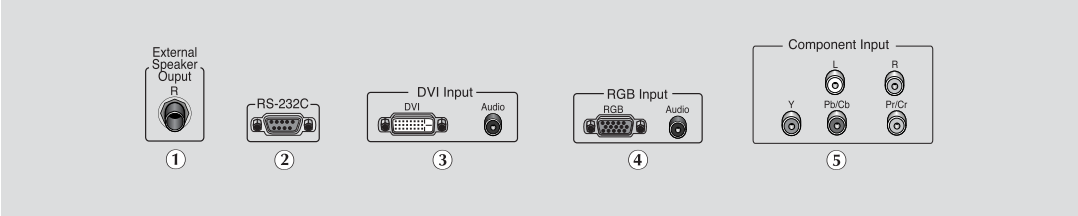
Power on : Green

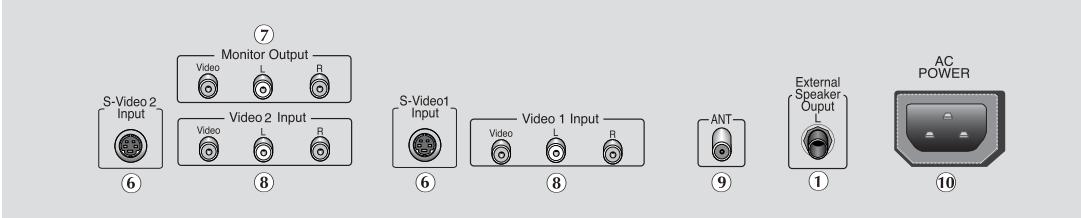
Remote Control Signal Receiver

Aim the remote control towards this spot on the PDP.

Your New Plasma Display Panel (continued)

Rear Panel





1) **External Speaker Output (L, R)**
Connect the external speakers.

2) **RS-232C**
Connect your PDP to a computer for reading and loading data information.

3) **DVI Input (DVI / Audio)**
Connect to the digital video and audio output jack for device with DVI output.

4) **RGB Input (RGB / Audio)**
Connect to the video and audio output jack on your PC.

5) **Component Input**
Video (Y/Pb/Pr or Y/Cb/Cr) and audio (AUDIO L,R) inputs for Component.

6) **S-Video Input 1, 2**
Video inputs for external devices with an S-Video output, such as a camcorder or VCR.

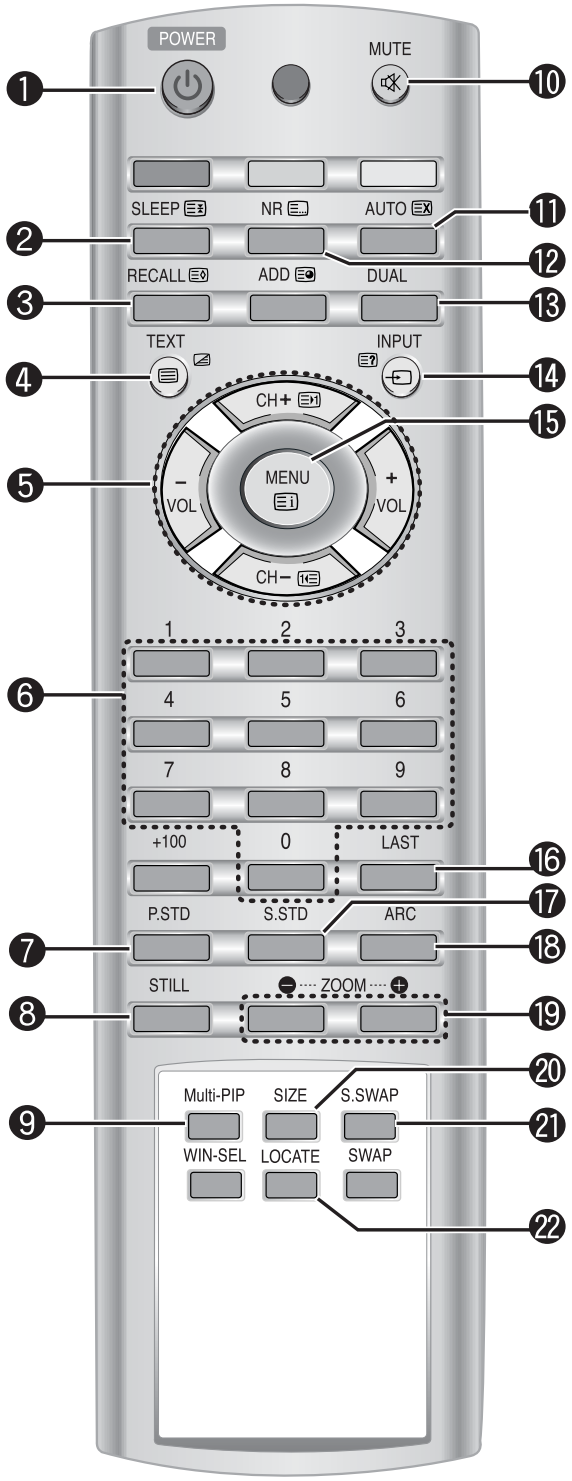
7) **Monitor Output (Video / Audio L, R)**
Outputs for external devices.

8) **Video Input 1, 2 (Video / Audio L, R)**
Video and audio inputs for external devices, such as a camcorder or VCR.

9) **ANT**
75Ω Coaxial connector for Aerial/Cable Network.

10) **AC Power**
Connect the supplied power cord.

Infrared Remote Control



❶ **POWER**
Turns the PDP on and off

❷ **SLEEP**
Automatic switch-off

❸ **RECALL**
Picture Information Display

❹ **TEXT**
Close Caption On/Off /
Close Caption display

❺ **CH +**
Move to the required menu option /
TV Channel UP
CH –
Move to the required menu option /
TV Channel Down
VOL + / VOL –
Volume increase, decrease

❻ **NUMBER (0 ~ 9)**
Direct channel selection

❼ **P.STD**
Picture Mode selection

❽ **STILL**
Picture still

❾ **Multi-PiP**
Multi-PiP On/Off

❿ **MUTE**
Temporary sound switch-off

⓫ **AUTO**
TV Channel Auto Search
Auto adjustment with RGB

⓬ **NR**
Noise Reduction

⓭ **DUAL**
TV Sound selection
(Mono, Stereo, Dual(I) / Dual(II))

⓮ **INPUT**
Input Source Selection

⓯ **MENU**
Menu display / exit the menu

⓰ **LAST**
Previous channel

⓱ **S.STD**
Sound Mode selection

⓲ **ARC**
Picture Size (ratio) selection

⓳ **ZOOM – / ZOOM +**
Zoom down, up

⓴ **SIZE**
Sub-Picture size selection (PIP)

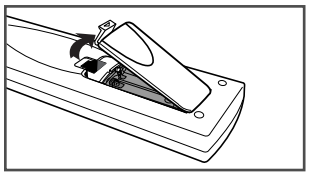
㉑ **S.SWAP**
Main/Sub sound swap (PIP, PBP)

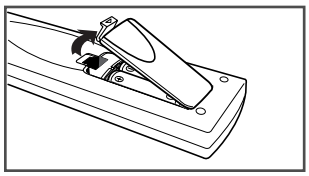
㉒ **LOCATE**
Sub-Picture location selection (PIP)

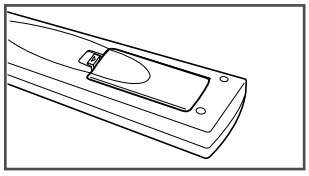
Inserting the Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you:

- **Purchase the PDP**
- **Find that the remote control is no longer operating correctly**







1. Remove the cover on the rear of the remote control by pressing the symbol (▼) downwards and then pulling firmly to remove it.

2. Insert two R03, UM4, "AAA" 1.5V or equivalent batteries taking care to respect the polarities:
   - **–** on the battery against **–** on the remote control
   - **+** on the battery against **+** on the remote control

3. Replace the cover by aligning it with the base of the remote control and pressing it back into place.

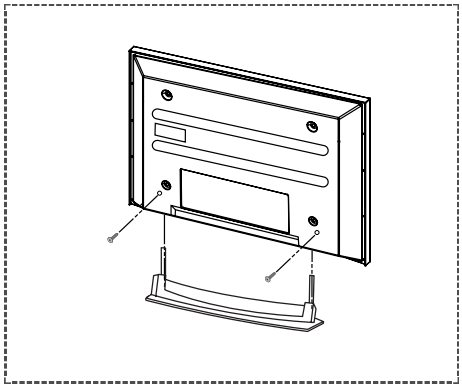
Assembling the Stand-Base

1. Assemble two support pins with the stand base and firmly secure both sides of the support pins using 2 screws provided.

2. Assemble the PDP with the stand and firmly secure the PDP using 2 screws provided.

NOTE: Two or more people should carry the PDP. Never lay the PDP on the floor because of possible damage to the screen. Always store the PDP upright.

(Depending on the model)



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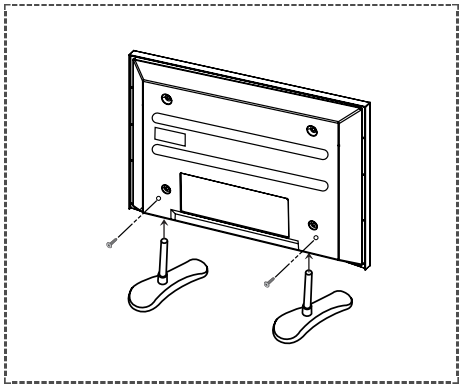


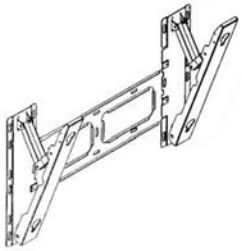
Installing the Display on the Wall Attachment Panel

Installation Notes

- Do not install the PDP on any place other than vertical concrete walls.
- To protect the performance of the PDP and prevent troubles, avoid the followings:
  - Do not install next to smoke and fire detectors.
  - Do not install in an area subjected to vibration or high voltage.
  - Do not install near or around any heating apparatus.
- Use only recommended parts and components.

Mounting Kits

Wall Mount Bracket



Plastic Hanger

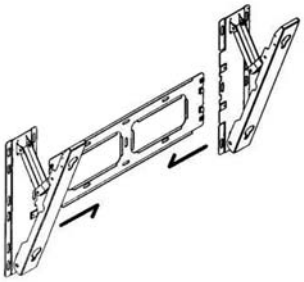
4 EA

Screws

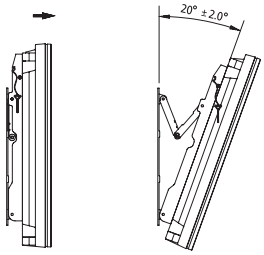
4 EA

How to Adjust Mounting Angle

(depending on your model)



The wall mount bracket is delivered separately. Please tighten the captive screw in the direction of the arrow after assembling the bracket.

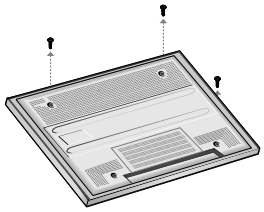


1. Secure the PDP to the wall mount bracket. (Please refer to the following instructions.)
2. Set the angle by pulling the upper end of the PDP attached to bracket in the direction of the arrow.
3. The angle can be adjusted up to 20°.

Installing the Display on the Wall Attachment Panel (continued)

The exterior of the PDP may be different than the picture.
(Assembly and installation of the plastic hanger is the same.)

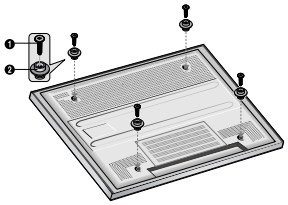
1 Remove the screws from the back of the PDP.



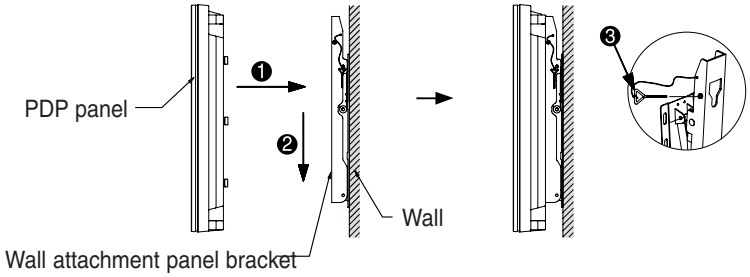
2 Use the screws and assemble the plastic hanger.

- Please ask the installers to install the wall mount bracket.
- Please be sure to check if the plastic hanger is completely secured on both the left and right side after hanging the PDP on the wall mount bracket.
- Please avoid catching your fingers while installing and adjusting the angle.
- Please tightly secure the wall mount bracket to the wall to avoid injury from a falling PDP.

3 Tighten the screws of the plastic hanger to the back side of the PDP.

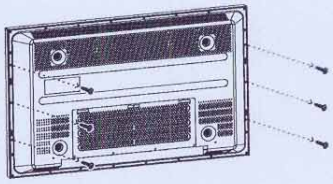


4 Put the 4 pegs on the PDP in the grooves of the wall mount bracket and pull down on the PDP (①) to secure it to the wall mount bracket (②). Tighten the screws as shown (③) so that the PDP cannot be separated from wall mount bracket.

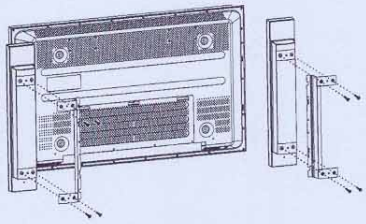


Connecting Speakers (continued)

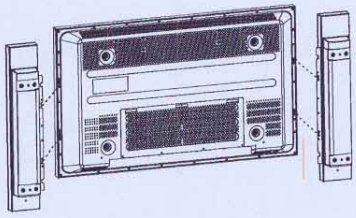
1. Remove the screws on the rear of the PDP.



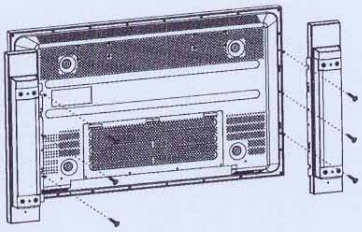
2. Tighten the speaker and the speaker bracket using the screws.



3. Hang the two "T" shaped hangers on the screw holes on the rear of the PDP.



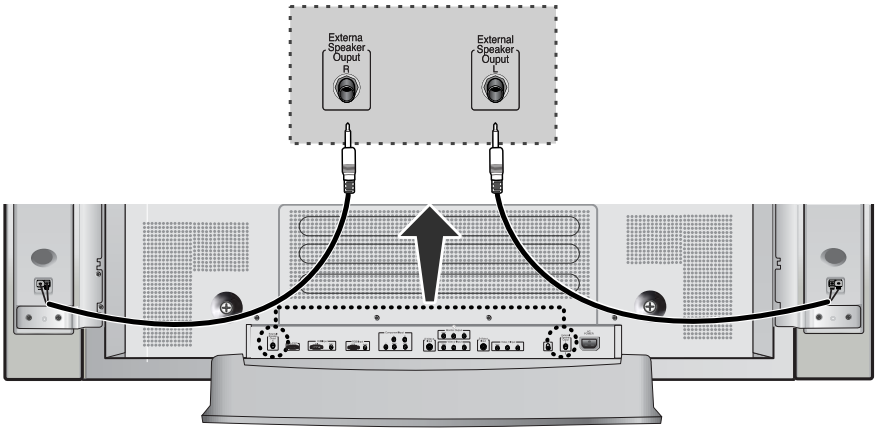
4. Tighten the PDP and the speaker bracket using the screws removed from the PDP.



Connecting Speakers

Connect the speaker audio cable to the external speaker output jack on the rear of the PDP matching the "+" and "-" ends of the cable with the diagram on the PDP.

- **Before connecting the speaker wire to the PDP, turn off your PDP.**



Connecting to an Aerial or Cable Television Network

To view television channels correctly, a signal must be received by the set from one of the following sources:

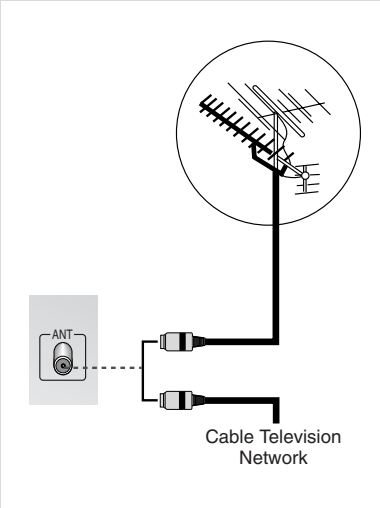
- An outdoor aerial
- A cable television network

1. In the first three cases, connect the aerial or network input cable to the 75Ω coaxial socket on the rear of the PDP.

2. If you are using an indoor aerial, you may need to turn it when tuning your PDP until you obtain a picture that is both sharp and clear.
   For further details, refer to:
   - "Storing Channels Automatically" on page 24
   - "Storing Channels Manually" on page 25

3. The angle can be adjusted up to 20°.

NOTE: When installing or re-installing your PDP, be sure to use the supplied coaxial antenna cable. If you connect using a different coaxial cable, there is risk of noise or interference to the screen image. (You must not use another general purpose cable. Use the 3M/5M/7M cable supplied by your dealer.)



Connecting a Satellite Receiver or Decoder

In order to watch television programmes broadcast via a satellite network, you must connect a satellite receiver to the rear of the PDP. Also, in order to descramble a coded transmission signal, you must connect a decoder to the rear of the PDP.

Using a Coaxial cable

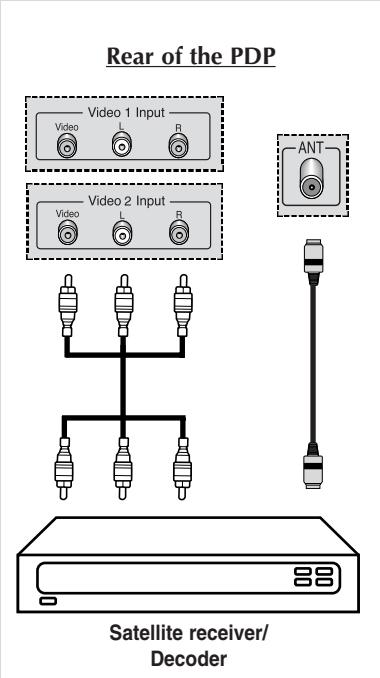
Connect a coaxial cable to the:

- Receiver (or Decoder) output socket.
- Television aerial input socket.

NOTE: If you wish to connect both a satellite receiver (or decoder) and a VCR, you should connect the:

- Receiver (or Decoder) to the VCR
- VCR to the PDP

Otherwise, connect the receiver (or decoder) directly to the PDP.



Switching On and Off

The mains lead is attached to the rear of your PDP.

1. Plug the mains lead into an appropriate socket.
   The Standby indicator on the front of the PDP lights up.
2. Press the " **I / ⏻** " button on the front of the PDP (or **POWER** (⏻) button on the remote control) to switch the PDP on.
3. To switch your PDP off, press the " **I / ⏻** " button again.

Placing in Standby Mode

Your PDP can be placed in Standby mode, in order to reduce the Power consumption.

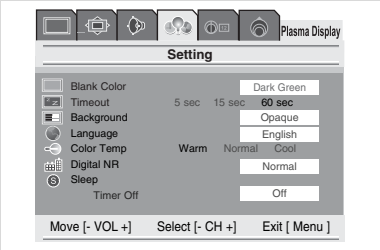
The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

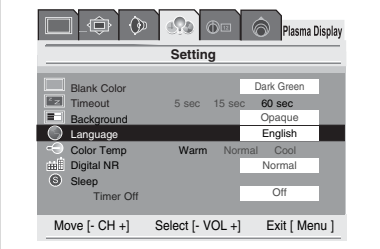
1. Press the **POWER** (⏻) button on the remote control.
   The screen is turned off and the Standby indicator on the front of the PDP lights.
2. To switch the PDP back on, simply press the **POWER** (⏻) button again.

Choosing Your language

When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.

1. Press the **MENU** button.
   The main menu is displayed.
2. Press the **VOL -** or **VOL +** button to select **Setting**.
   The options available in the Setting group are displayed.
3. Press the **CH-** button to select the options in the **Setting** group.
4. Press the **CH +** or **CH -** button to select **Language**.
5. Select the appropriate language by pressing the **VOL -** or **VOL +** button.
6. When you are satisfied with your choice, press the **MENU** button to return to normal viewing.



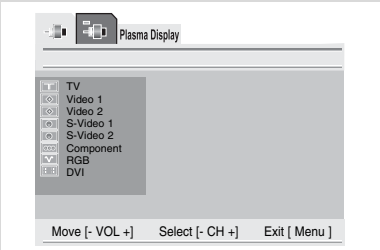


Viewing an External Signal Source

Use the remote control to switch between viewing signal from connected equipment, such as VCR, DVD, Set-Top-box and the TV source (broadcast or cable)

1. Press the **INPUT** button.
   The options available in the Input group are displayed.
2. Select the signal source by pressing **CH +** or **CH -** button, then press the **VOL -** or **VOL +** button.
3. Set other signal sources (**TV**, **Video 1**, **Video 2**, **S-Video 1**, **S-Video 2**, **Component**, **RGB** or **DVI**) using the same method as listed above.

   NOTE: If you change the external source while viewing, pictures might take a short period of time to be switched.



Storing Channels Automatically

You can scan for the frequency ranges available to you, (availability depends on your country). Automatically allocated channel numbers may not correspond to actual or desired channel numbers. However you can sort numbers manually and clear any channels you do not wish to watch.

1. Press the **MENU** button.
   The main menu is displayed.

2. Press the **VOL -** or **VOL +** button to select **TV Function**.
   The options available in the TV Function group are displayed.

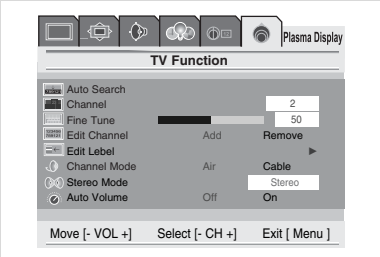
3. Press the **CH -** button to select the options in the **TV Function** group.

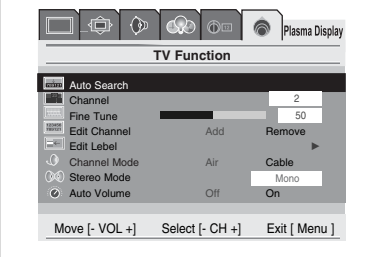
4. Press the **CH +** or **CH -** button to select **Auto Search**.

5. Press the **VOL -** or **VOL +** button to start the search.
   The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range, (with lowest first and highest last). The channel originally selected is displayed.

   NOTE: To stop the search before it has finished, press the MENU button.

6. To store the searched channel in memory, select Edit Channel by using the **CH +** or **CH -** button. To Add or Remove the channel, press the **VOL -** or **VOL +** button.





Storing Channels Manually

When storing channels manually, you can choose:

- Whether or not to store each of the channels found
- You can change the channel name.

1 Press the **MENU** button.
The main menu is displayed.

2 Press the **VOL -** or **VOL +** button to select **TV Function**.
The options available in the TV Function group are displayed.

3 Press the **CH -** button to select the options in the **TV Function** group.

4 If you know the number of the channel to be stored, press the **CH +** or **CH -** button to select **Channel**.
Press the **VOL-** or **VOL+** to select the number of the channel.
The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

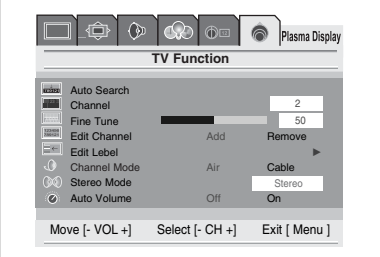
5 Press the **CH +** or **CH -** button to select **Channel Mode**.
Press the **VOL-** or **VOL+** button to select **Air** or **Cable**.

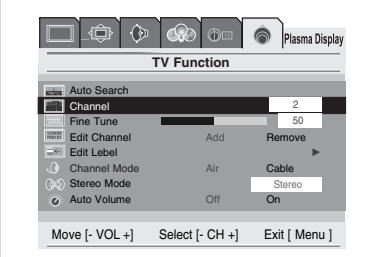
6 To change the channel name that has been completely searched, select **Edit Label** by using the **CH +** or **CH -** button. Press the **VOL -** or **VOL +** button to edit the channel name.
The rename menu will be displayed at the bottom of the screen.

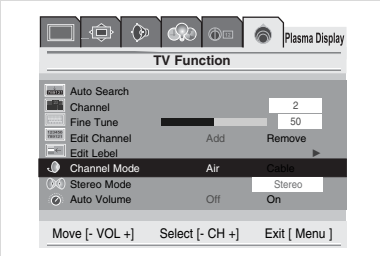
7 Press the **CH +** or **CH -** button to select a letter (A~Z), a number (0 ~ 9) or a symbol (-, space).
Move on the previous or next letter by pressing the **VOL -** or **VOL +** button.

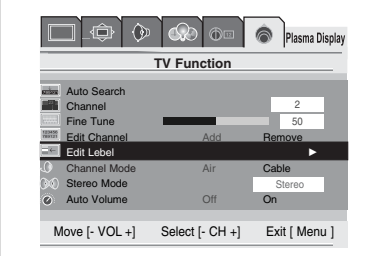
8 Press the **INPUT** button to clear the name you entered or existing name.
The entered name will be cleared.

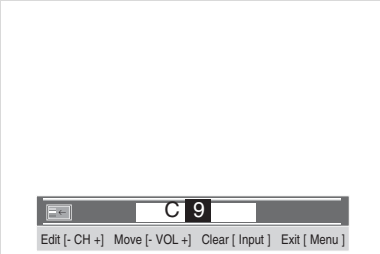
9 When you have finished entering the name, press the **MENU** button to confirm the name.











Using the Fine Tune

If reception is weak, you can fine tune a channel manually.

1. Press the **MENU** button.
   The main menu is displayed.

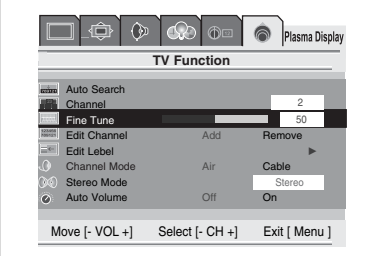
2. Press the **VOL -** or **VOL +** button to select **TV Function**.
   The options available in the TV Function group are displayed.

3. Press the **CH -** button to select the options in the **TV Function** group.

4. Press the **CH +** or **CH -** button to select **Fine Tune** and press the **VOL -** or **VOL +** button. The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the **VOL -** or **VOL +** button to reach the required setting.

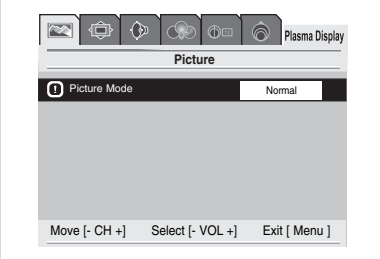
5. Press the **VOL -** or **VOL +** button until the picture and sound are both clear and sharp.

NOTE: If you are unable to fine tune a channel, check that the System settings are correct.



Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

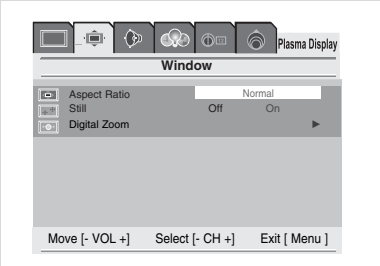


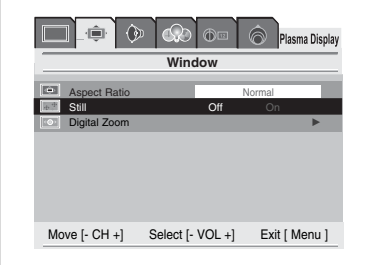
1. Press the **MENU** button.
   The main menu is displayed.
2. Press the **VOL -** or **VOL +** button to select **Picture**.
   The options available in the Picture group are displayed.
3. Press the **CH -** button to select the options in the **Picture** group.
4. Select the option by pressing the **VOL -** or **VOL +** button.
   The following modes are available depending on the input source.
   - Normal - User - Movie – Mild – Dynamic

   NOTE: You can also set these options simply by pressing the P.STD (Picture Mode) button.

Freezing the Current Picture

You can freeze the picture when watching a television programme.





1. Press the **MENU** button.
   The main menu is displayed.
2. Press the **VOL -** or **VOL +** button to select **Window**.
   The options available in the Window group are displayed.
3. Press the **CH -** button to select the options in the **Window** group.
4. Select the **Still** by pressing **CH +** or **CH -** button.
5. Press the **VOL -** or **VOL +** button to select **Off** or **On**.

   NOTE:
   - You can also set these options simply by pressing the STILL button. To return to normal viewing, press it again.
   - In the Multi-PIP mode Not supported.

Adjusting the Picture Settings

Your television has several settings which allow you to control picture quality.

1. Press the **MENU** button.
   The main menu is displayed.

2. Press the **VOL -** or **VOL +** button to select **Picture**.
   The options available in the Picture group are displayed.

3. Press the **CH -** button to select the options in the **Picture** group.

4. Select the **User** by pressing the **VOL -** or **VOL +** button.
   The User options are listed.

5. Press the **CH -** button to select the options in the **User** group.
   - User : Brightness, Contrast, Sharpness, Color, Tint

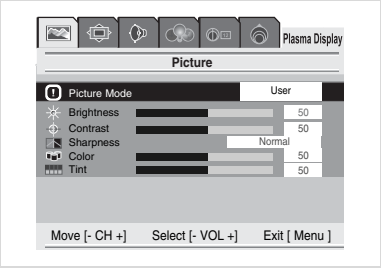
6. Press the **CH +** or **CH -** button to select the option you want to change.

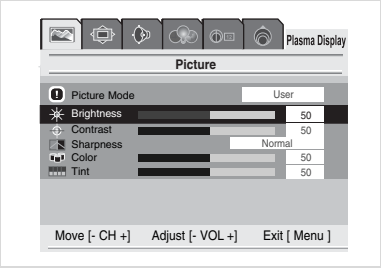
7. Press the **VOL -** or **VOL +** button to change the setting.
   The horizontal bar is displayed.

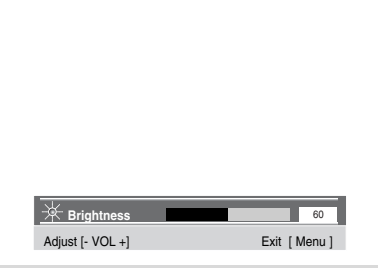
8. Move the horizontal bar's cursor left or right by pressing the **VOL -** or **VOL +** button.

9. When you are satisfied with the settings, press the **MENU** button to exit.

NOTE: When the User Picture Mode is set, the settings values may vary depending on the input source.







Adjusting the Picture Settings (RGB or DVI Mode)

Preset to the RGB or DVI mode by using the INPUT button.

1. Press the **MENU** button.
   The main menu is displayed.

2. Press the **VOL -** or **VOL +** button to select **Picture**.
   The options available in the Picture group are displayed.

3. Press the **CH -** button to select the options in the **Picture** group.

4. Select the **User** by pressing the **VOL -** or **VOL +** button.
   The User options are listed.

5. Press the **CH -** button to select the options in the **User** group.
   - User : Brightness, Contrast, Sharpness, Phase, Frequency.

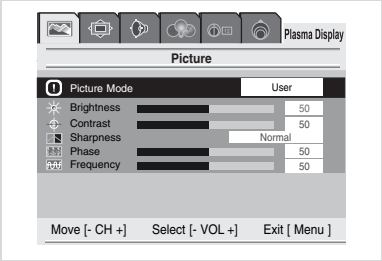
6. Press the **CH +** or **CH -** button to select the option you want to change.

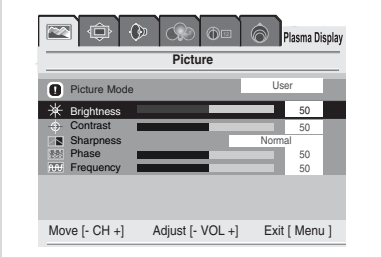
7. Press the **VOL -** or **VOL +** button to change the setting.
   The horizontal bar is displayed.

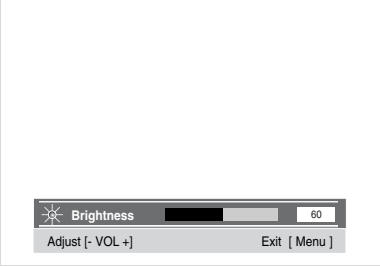
8. Move the horizontal bar's cursor left or right by pressing the **VOL -** or **VOL +** button.

9. When you are satisfied with the settings, press the **MENU** button to exit.

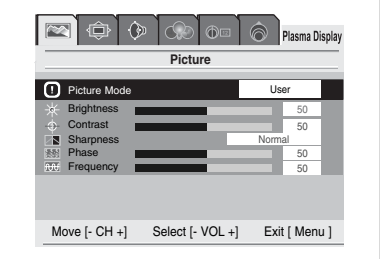
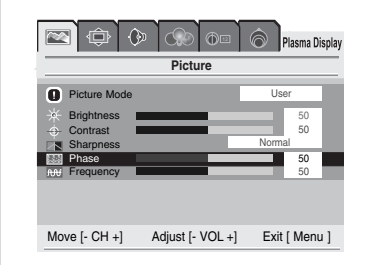
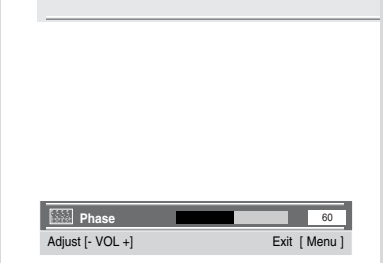
NOTE: When the User Picture Mode is set, the settings values may vary depending on the input source.







Setting the Picture (RGB or DVI Mode)

Preset to the RGB or DVI mode by using the INPUT button.

1. Press the **MENU** button.
   The main menu is displayed.
2. Press the **VOL -** or **VOL +** button to select **Picture**.
   The options available in the Picture group are displayed.
3. Press the **CH -** button to select the options in the **Picture** group.
4. Select the option (**Phase, Frequency**) by pressing the **CH +** or **CH -** button.
5. Press the **VOL -** or **VOL +** button to change the setting.
   The horizontal bar is displayed.
6. Move the horizontal bar's cursor left or right by pressing the **VOL -** or **VOL +** button.
7. When you are satisfied with the settings, press the **MENU** button to exit.