









Memorizing the Channels









- Adding and Erasing Channel (Manual Method)

- Press  .
-
- Use  to move to  .
- Press  to move to "Channel Settings"
- Press  to select.
- Press  to select.
- Use  to move to "Add" or "Erase".
- Press  to go back to the previous menu.



Adjusting Unclear Screen

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

- Press  .
-
- Use  to move to  .
- Press  to move to "TV Tuner Setting"
- Press  to select.
- Press  to move to "Fine Tune".
- Use  to tune.
- Press  to go back to the previous menu.



Changing Picture Settings

● Custom Picture Adjustment

Press



.

Use



to move to



.



Use

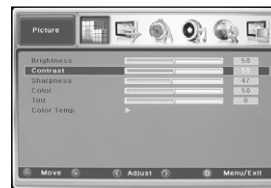


to move to the desired category.

Use



to adjust the setting.



Press



to go back to the previews menu.



> Custom Mode

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

Changing Sound Settings


● Custom Sound Adjustment

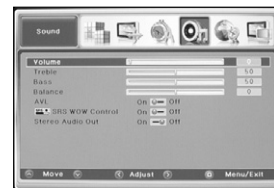
Press



Use



to move to 



Use



to move to the desired category.

Use



to adjust the setting.




Press



to exit menu.

> Custom Mode

- Treble : The high - pitched sound can be controlled.
- Bass : The low - pitched sound can be controlled.
- Balance : Control the volume of right and left speaker. The volume level 50 is recommended for the most comfortable listening.
- SRS WOW Control : SRS Labs in USA has developed the new concept of 3D sound technology for the better sound effect with the combination of WOW, Trubass and FOCUS. With only two speakers, it creates a stereophonic sound just like a multi - channel speakers.
- Stereo Audio Out : If you would like to listen to the sound of TV through other equipments, you may connect them to Audio out terminal.

<  > is a trademark of SRS Labs, Inc.


<WOW> technology is incorporated under license from SRS Labs, Inc.



<WOW>, SRS and (●) symbol are trademarks of SRS Labs, Inc.


<WOW>, <WOW>, SRS and (●) symbol are trademarks of SRS Labs, Inc.


Selecting the Menu Language


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


Press  .

Use  to move to  .


Press  to move to "Language".



Use  to select the desired language.


Press  to exit menu.






Setting OSD Tone Menu Background


Press  .


Use  to move to  .


Press  to move to "OSD Setting" .

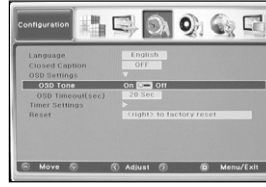

Press  to select.

Use  select the "On" or "Off".

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

use  to select the desired OSD Timeout.

Press  to exit menu.


Changing Screen Size

Press



Use



to move to 

Press



to move to "Image Size".



Use



to select the desired "Image Size".

Press



to exit menu.

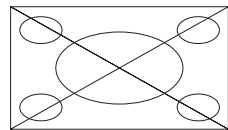
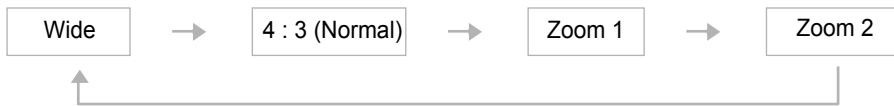


Or

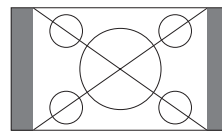
Press



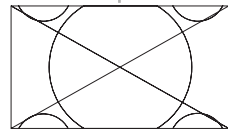
button on the remote control (Image Size Control).



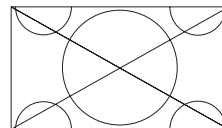
Wide



4 : 3(Normal)



Zoom 2



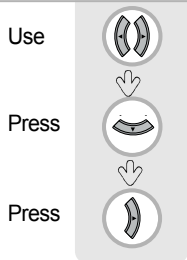
Zoom 1

> Screen Size

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

Using the V-Chip

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

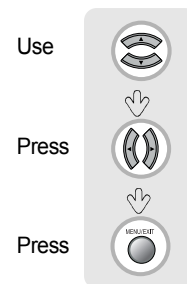


- Enter your 6-digit number.
- ✳ The default password for a new TV set is .



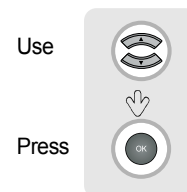
- After entering a valid password, The "V-Chip" Menu Screen will appear.

● How to Enable / Disable the V-Chip



● Setting up your V-CHIP password







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



Using the V-Chip

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

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

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



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

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





※ The restrictions for these two groups work independently.

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

Using the V-Chip

● How to Set up Restrictions using the MPAA Ratings





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

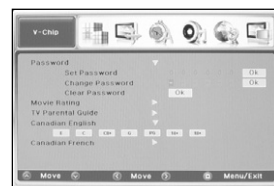
- Use  to move to "Movie Rating"
- Use  to move to desired categories.
- Press  to set the restriction ratings.
- Press  to exit menu.



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

● How to set up Restrictions usiug the Canadian English.





- Use  to move to "Canadian English".
- Use  to move to desired categories.
- Press  to set the restriction ratings.
- Press  to exit menu.

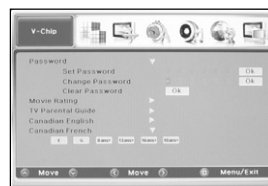


Using the V-Chip

- E : Exempt
- C : Children
- C8+ : Children eight years and older
- G : General programming. Suitable for all audience
- PG : Parental Guidance
- 14+ : Viewers 14 years and older
- 18+ : Adult Programming

● How to set up Restrictions using the Canadian French.

- Use  to move to "Canadian French".
- Use  to move to desired categories.
- Press  to set the restriction ratings.
- Press  to exit menu.




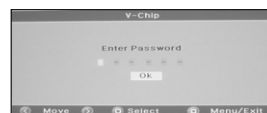
- E : Exempt
- G : General
- 8 ans+ : General-Deconseille aux jeunes enfants
- 13 ans+ : Cette emission peut ne pas convenir aux enfants de moins de 13 ans
- 16 ans+ : Cette emission ne convient pas aux moins de 16 ans
- 18 ans+ : Cette emission est reservee aux adultes

● How to Reset the TV after the V-Chip Blocks a Channel.


If the TV is turned to restricted channel, the V-Chip will block it. The Screen will go blank and the following message will appear:






To resume normal viewing, press the  key and press your personal identification number (Password).





Viewing the Closed Captions



Press  .

Use  to move to  .


Press  to move to "Closed Caption".

Use  to set the closed captions.

Press  to exit menu.


※ You can select these options in the following order.

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


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



Listening to stereo sound MTS(Multi Television sound)


- Depending on the particular program being broadcasted, you can listen to stereo, mono or a Secondary Audio Program


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



Viewing Picture in Picture


Press  .


Use  to move to  .




Press  to move to "Layout".

Press  to select.

Use  to select the  .


Press  to exit menu.


or press  button on the remote control.






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


• TV/External Input


Press  to move to input "PIP Source"

Use  to select the desired input source.

Press  to exit menu.

or

Press  button on the remote control.




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


• PIP Source Matrix Table.

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

Viewing Picture in Picture

● Changing the Screen Size

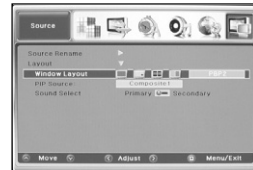
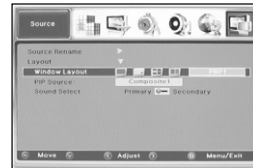
Press  to move to "Window Layout".

Use  to select the desired size.


Press  to exit menu.


or

Press  button on the remote control.



● Selecting Position

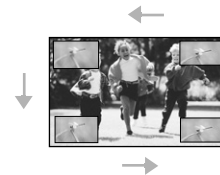
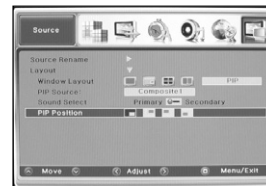
Press  to move to "PIP Position".


Use  to select the desired position.

Press  to exit menu.


or


Press  button on the remote control.



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

● Selecting Sub Screen Sound

Press  to move to "Sound Select".

Use  to select the "Primary" or "Secondary".

Press  to exit menu.









or

Press  button on the remote control.



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

Panel Safety










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

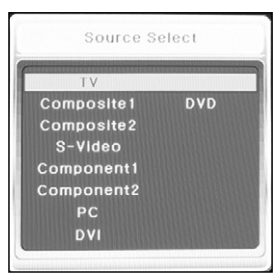
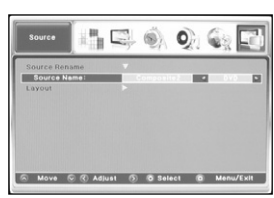


- Scroll
 - On : The screen will move every 10 seconds.
 - ① (C → L) ② (L → C) ③ (C → U) ④ (U → C)
 - ⑤ (C → R) ⑥ (R → C) ⑦ (C → D) ⑧ (D → C)
 - Off : The screen will be in place opposite way of scroll On.
- Image Inversion- Enable signal for preventing image sticking.


- Power Saving
 - Mode 1 : Normal mode.(Default)
 - Mode 2 : Supporting high power save mode.
 - Mode 3 : Supporting middle power save mode.
 - Mode 4 : Supporting low power save mode.



Source Rename

- Press  .
- Use  to move to  .
- Press  to move to "Source Rename".
- Press  to select.
- Press  to select the Input Source.
- Press  to move one step.
- Press  to select the desired Default/DVD/VCR/Satellite/Antenna
- Press  to exit menu.





Auto Volume Level


Press  .

Use  to move to  .

Press  to move to "AVL".


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



Press  to exit menu.





Resetting PDP TV Settings


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

Press  .

Use  to move to  .

















Press  to move to "Reset".


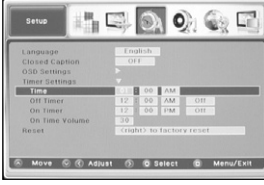
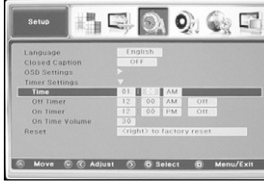
Press  to select.



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



Setting Time

| | | | |
|-------|-------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------|
| Press |  | | |
| |  | | |
| Use |  | to move to |  |
| |  | | |
| Press |  | to select "Timer Settings". | |
| |  | | |
| Press |  | to select | |
| |  | | |
| Use |  | to adjust the desired hour. | |
| |  | | |
| Press |  | to move one step. | |
| |  | | |
| Use |  | to adjust the desired minutes. | |
| |  | | |
| Press |  | to exit menu. | |






Automatic Power On/Off

- Clock time must be set.




| | Setting Time for Power On | Setting Time for Power Off |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <p>Setting Hour</p> <p>Use  to set</p> |  |  |
| <p>Setting Minute</p> <p>Use  to select,  to set</p> |  |  |
| <p>Set/Cancel</p> <p>Use  to select,  to select the "On" or "Off"</p> |  |  |
| <p>Volume Control</p> <p>Use  to set volume</p> |  | |

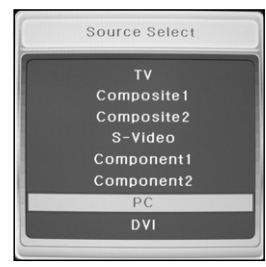
- To have the TV turn off after you fall asleep

press  button on the remote control.

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







Using TV as a Monitor

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



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

Adjusting PC Screen

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



> Custom Mode

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

Trouble shooting

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

● Screen related Matters


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

● Sound related issues

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

Trouble shooting Tips

● Others

| Problem | Action |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remote controller does not work. | <ol style="list-style-type: none"> 1. Check if main power is On. 2. Check that the batteries of the remote controller were loaded properly. 3. Check to see if any obstacle exists between the PDP TV and the remote controller and remove it, if any. 4. If the batteries have no power, replace them with two new batteries. |
| PDP TV makes strange noise. | It may be due to mechanical expansion or contraction changes such as humidity, temperature, etc. It is not a failure. |
| PDP TV indication lamp is On. | The red means the Stand-by power is ON. It will take a few seconds to turn off as the main power is off. |
| Had forgotten Password of V-Chip | Press [3] , [2] , [8] , [2] , [0] , [0] ,  buttons on the Remote control in V-Chip function. |
| Can not select PC mode when D-sub cable is connected to the RGB output of Set-top-box. | D-sub cable not meeting VESA standard. (D-sub No. 10 pin must be grounded) Component Cable can be used if there is an Component Terminal. |

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

● Supporting display mode

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

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

● Considerations in Installation

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

Supported Display Modes

● Component Mode [Y, C_B(P_B), C_R(P_R)]

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

● Specifications

| | |
|---------------------|---------------------------------------------------------|
| Aspect Ratio | 16 : 9 |
| Screen Size (H × V) | 920.1 × 518.4mm |
| Resolution | 1024 × 768 (XGA) |
| Cell pitch (H × V) | 0.900(H) × 0.676(V)mm |
| Displayable Colors | 16.77M (256 × 256 × 256) / 10.7Billion |
| Brightness | 1200cd/ m ² (w/o filter) |
| Contrast | 10000:1(MAX) |
| Viewing Angle | 160 ° |
| Input signal | NTSC, SD, HD , VGA, SVGA, XGA, SXGA (1280 × 1024 /60Hz) |
| Tuner | NTSC-M |
| PC Input | Analog RGB (D-Sub 15pin), DVI-D (HDCP) |
| AC Input | AC100-240V~, 50/60Hz, 5A |
| Power Consumption | 380W |

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

Memo



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



Memo

A large rectangular area containing horizontal dotted lines for writing a memo.

Memo



A large rectangular area with a black border, containing 25 horizontal dotted lines for writing.



USER INFORMATION



Note: This equipment has been tested and found to comply with the limit 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 connect the interference at his own expense.

Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

PLASMA DISPLAY

(ÉCRAN PLASMA)