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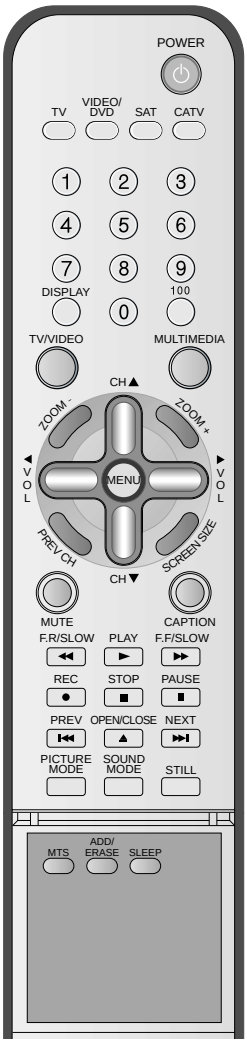
# Customizing Picture

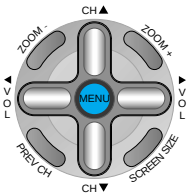
## Customizing Picture

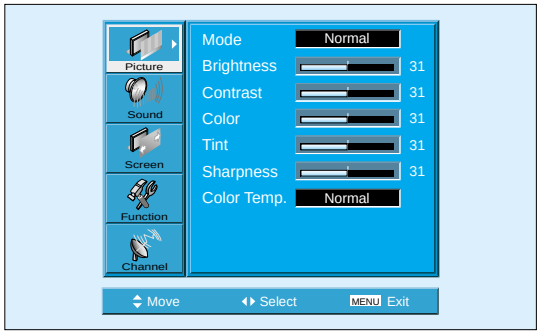
- You can adjust the color tone and brightness to your preference.




## 1 Press the MENU Button.

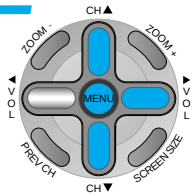
- The MENU shown below will display on the screen.

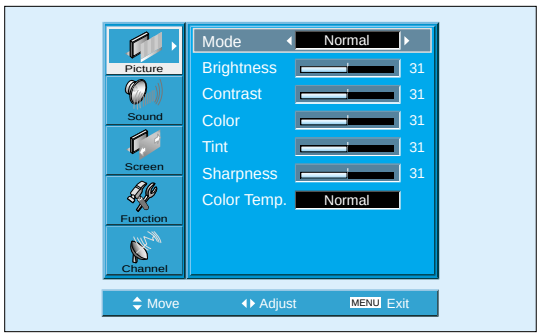



## 2 Press the ▲/▼ Button.

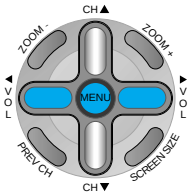
- After selecting [Picture] by by pressing "▲CH▼" button, press the "◀VOL▶" button. Then the sub menu of [Picture] will be displayed.

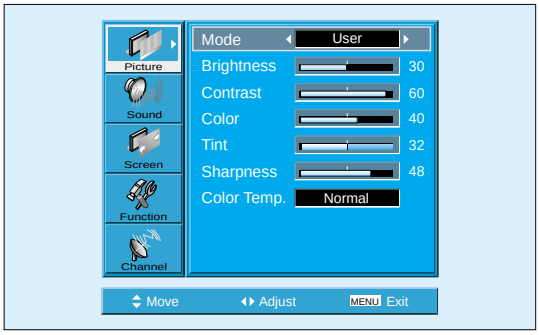


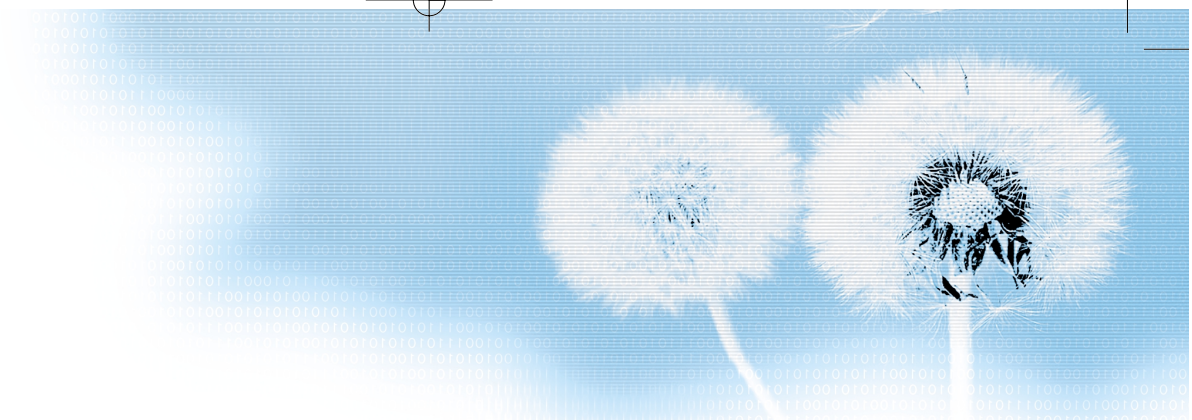




## 3 Select the Custom Mode.

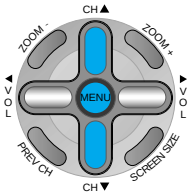
- Select "User" by pressing the "◀VOL▶" button.



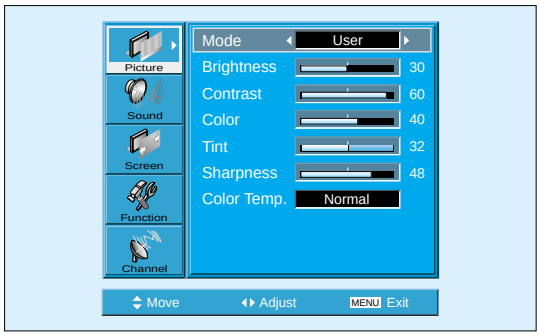





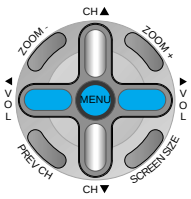
## 4 Select User Mode Adjustments



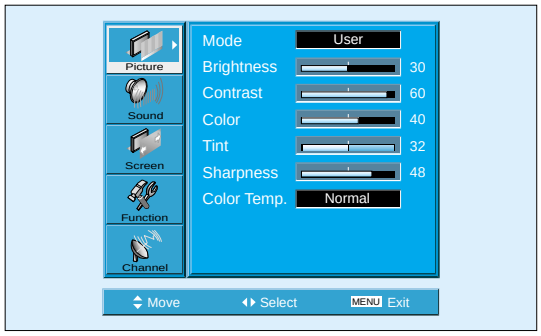

- While you are in [Picture Mode – User], press the "▲CH▼" buttons to select a specific adjustment item.




## 5 Picture Condition Adjustments




- Press the "◀VOL▶" buttons to adjust the picture at your preference.



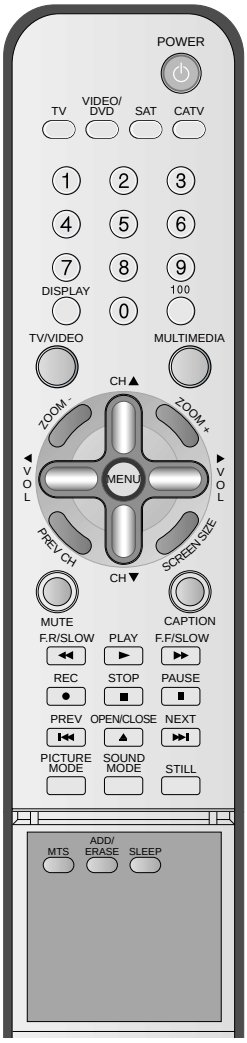
## NOTES:

1) While you are in the PC or DVI INPUT mode, you can only adjust brightness, contrast, sharpness and color temperature.
2) When you adjust Brightness, Contrast, Color and Tint in DTV mode or adjust Brightness and Contrast in PC or DVI mode, the picture is adjusted finely.
3) The adjusted values are memorized in each mode separately.
4) The Tint control is used only when the input signal is NTSC If input signal is NTSC, Tint control is displayed in picture menu.
5) Selecting the Color Temperature makes the mood normal, warm or cold.

# Adjusting Screen Size

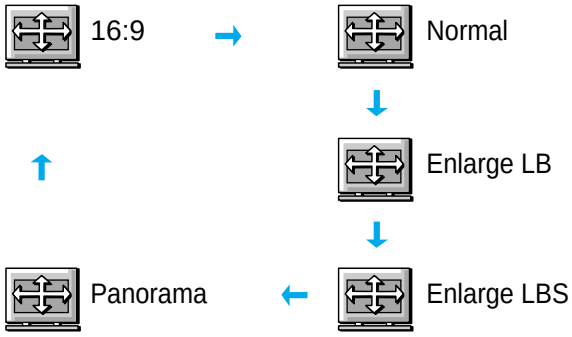
## Adjusting Screen Size

- You can adjust screen size or aspect ratio as desired.




## 1 Press the "SCREEN SIZE" Button.

- Each time you press the "SCREEN SIZE" button on the Remote Control, a different "SCREEN SIZE" appears. The sequence used is as follows:
- The current screen size will be displayed on the screen.



### NOTES:

1) When the INPUT SIGNAL is DTV [in Component 1 or Component 2], only the aspect ratios of 16:9 and 4:3(Normal) are available.
   Eg) If input signal is 16:9, PDP displays in 16:9 mode.
2) The digital broadcasting (720p, 1080i) is fixed at the aspect ratio of 16:9.
3) Displaying a picture in a normal mode (4:3) for a long time may cause phosphor of the PDP to be burned. So avoid displaying a picture in 4:3 screen size for a long time.
4) 16:9 : Theater-like 16:9 picture formats
   Panorama : 16:9 picture formats with panorama effect
   Normal : Displays pictures of original picture size.
   Enlarge LB : Enlarges the screen as to fill the black part of up and down.
   Enlarge LBS : Enlarges the screen, and shifts up as to see the subtitles in case you are watching video with subtitles.

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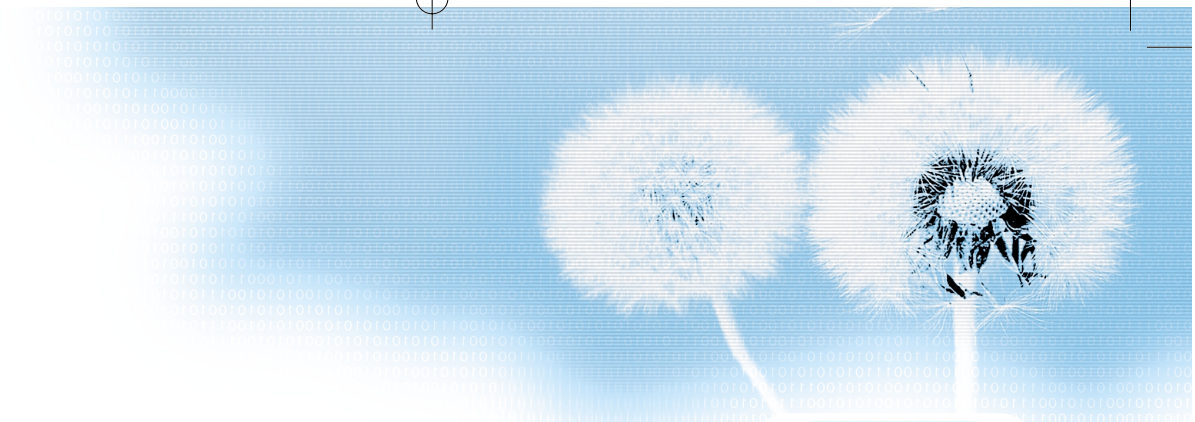
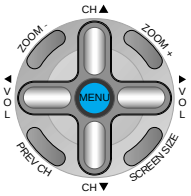
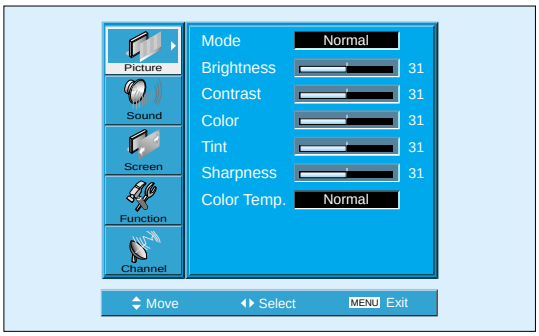


## Adjusting from MENU Screen

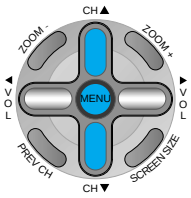
# 1 Press the MENU Button.



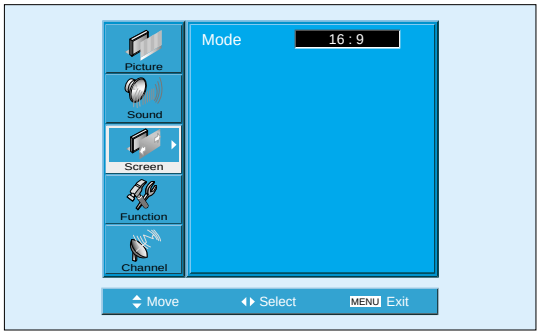

• Press the [MENU] button on the Remote Control.



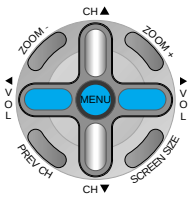

# 2 Select [Screen].



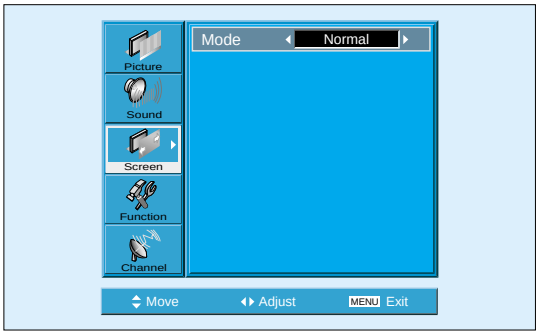

• Press the Channel "▲CH▼" button to select [Screen].




# 3 Select the [Screen Size].




• Enter the sub menu by pressing "◀VOL▶" button.
• Press the Volume "◀VOL▶" buttons to select [Screen Size].



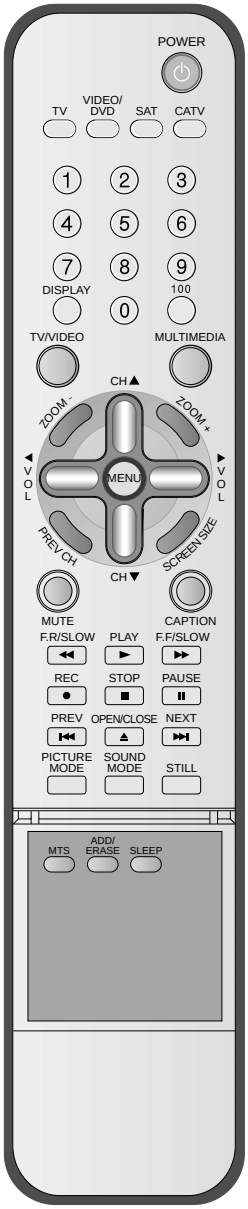

• Available Screen Mode

| Input | Available Mode |
|---|---|
| PC,DVI | None |
| Component (480p or above) | 16:9, Normal |
| Video Component (480i) | 16:9, Panorama, Normal, Enlarge LB, Enlarge LBS |

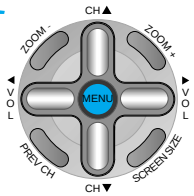
# Adjusting Screen Position and Size

## Adjusting Screen Position and Size

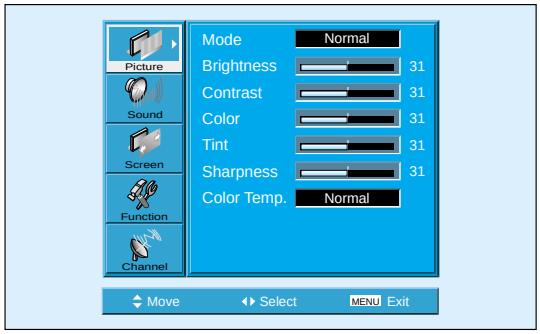
- You can adjust the screen position and size as desired.



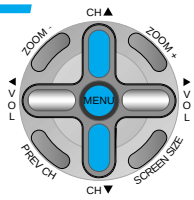

## 1 Press the MENU Button.



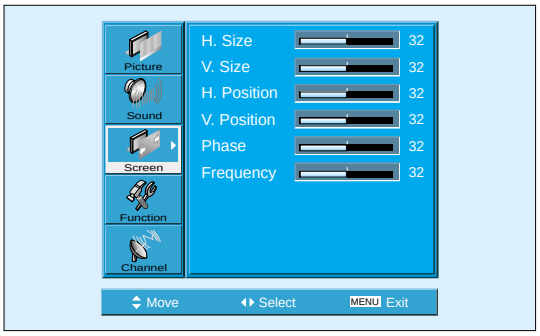

- The MENU screen as shown below will appear.

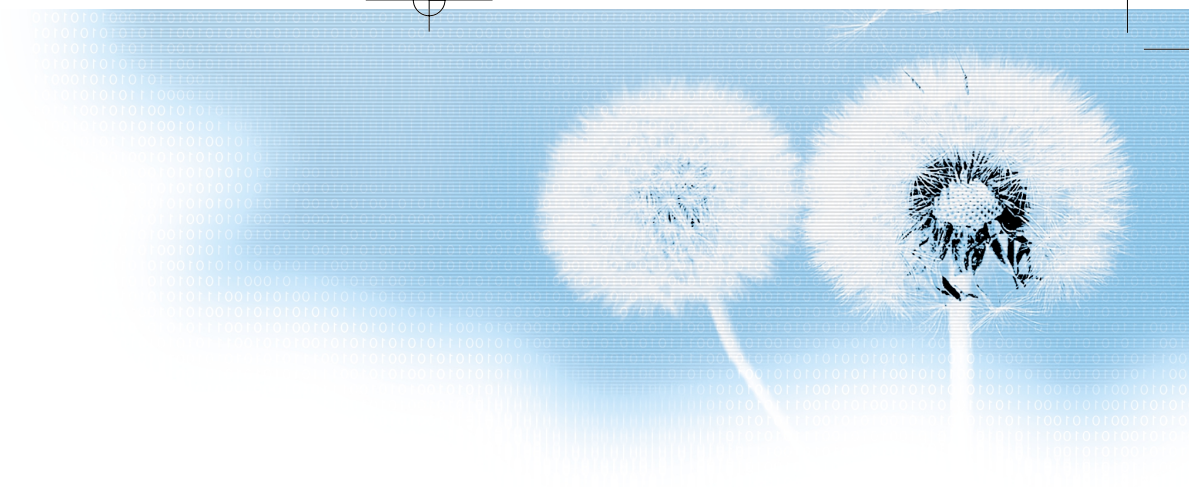



## 2 Press the "▲CH▼" button.

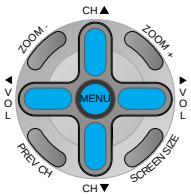



- Press the "▲CH▼" button to select [Screen].

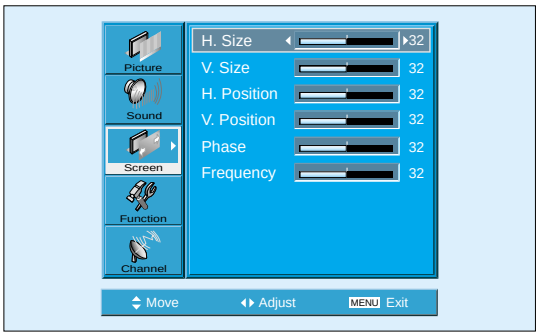




# 3 Press the Volume "◀VOL▶" button.




- Press the Volume "◀VOL▶" button to enter the sub menu of [Screen].
- While you are in [Screen] mode, press the "▲CH▼" button to select a desired item, and then, adjust the value by pressing the "◀VOL▶".



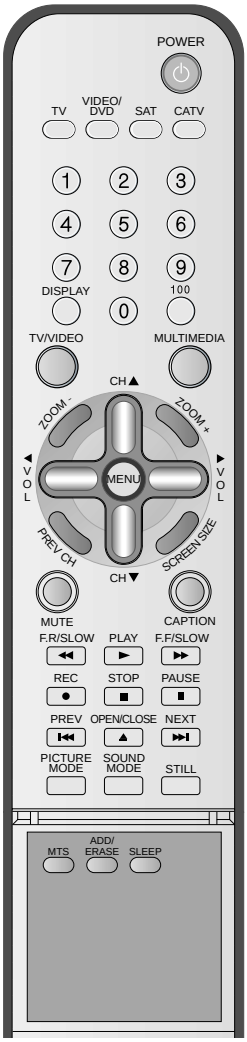
## NOTES:

1) Horizontal/Vertical size and position values can be adjusted only in the [PC] input mode and in the [DVI] input mode, only Horizontal/Vertical size are available.
2) H. Size: As the value increases, the screen width increases
3) V. Size: As the value increases, the screen height increases.
4) H. Position: As the value increases, the screen moves to the right.
5) V. Position: As the value increases, the screen mores up.
6) Phase: When there is jitter or blurring of the image, adjust this value.
7) Frequency: When there is jitter or blurring of the image, adjust this value.

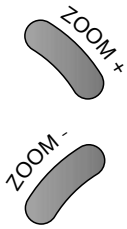
# Enlarging Screen Size

## Enlarging Screen Size

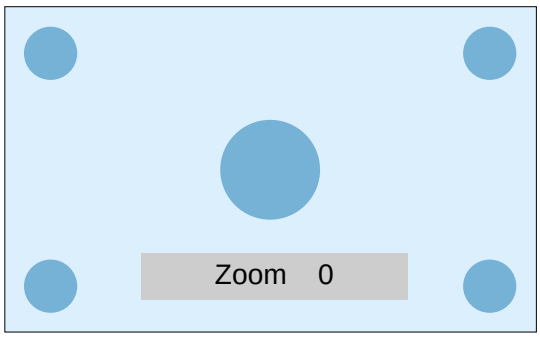
- You can view enlarged size of the screen with this function

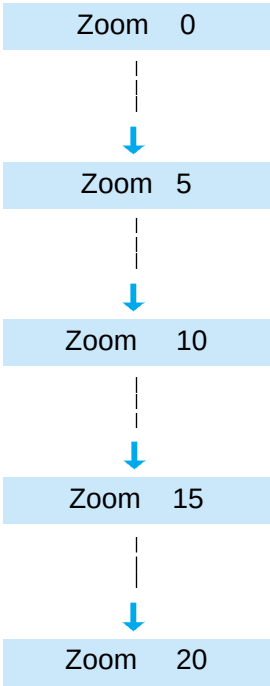


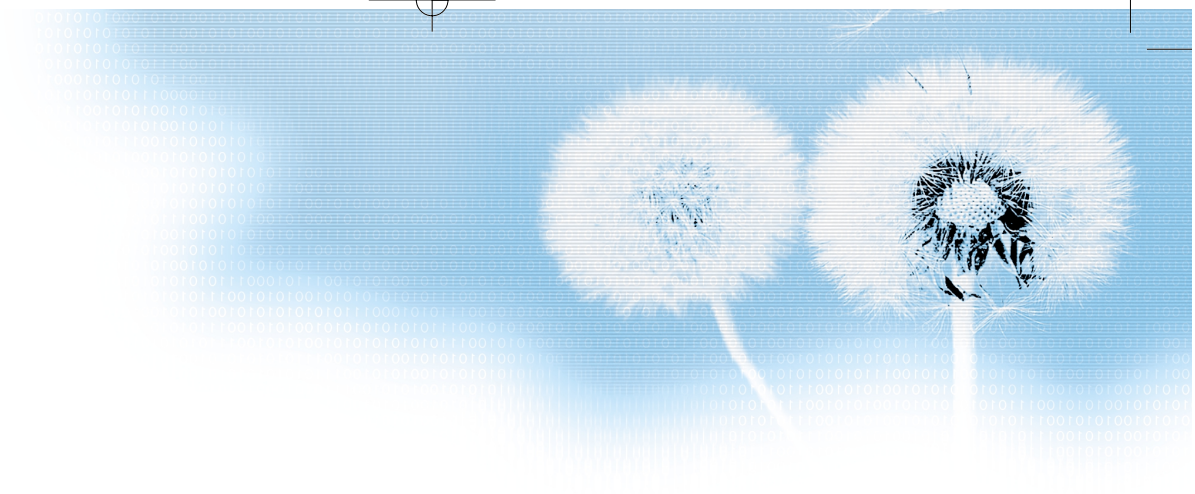

## 1 Press the "ZOOM+" Button.



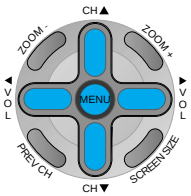

- Press the "ZOOM+" button to show currently selected screen size.
- Each time you press the "ZOOM+" button, the screen size will increase stepwise in 0 ~ 20 scale.
- To reduce the screen size, press the "ZOOM-" button.



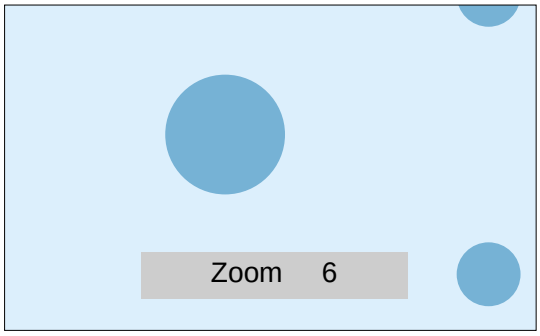





## 2 Move the Screen Position.




• While you are in the 'Zoom' mode, press the "▲CH▼" and "◄VOL►" buttons to move screen stepwise up/down and left/right, respectively.



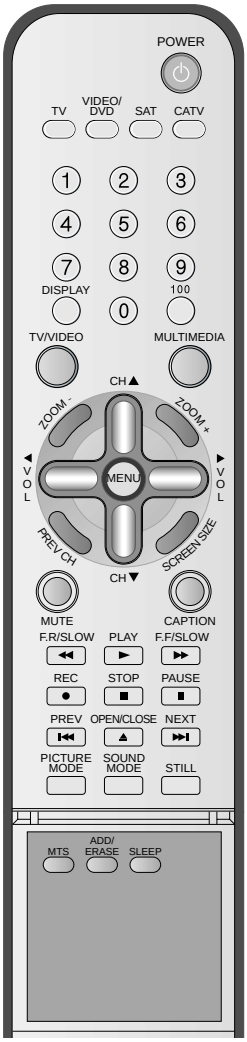
**NOTES:**

1) When the screen is enlarged, the pixel of the screen can become thick and dim.
2) When only subtitle of zoom level remains, you can scroll the image.
   If subtitle of zoom level disappears, press zoom key, and scroll the image.
3) You can enlarge the screen in freeze mode.

# Watching a STILL Image

## Watching a Still Image

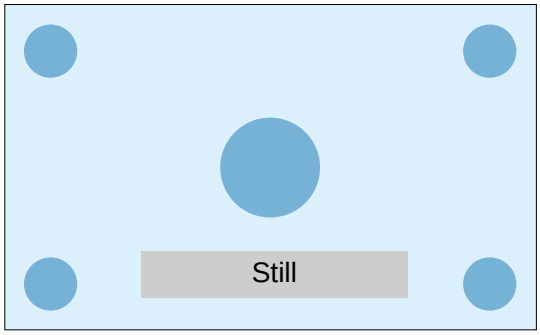
- You can view still images with this function. However, displaying the same images such as still images for a long time may cause image sticking.



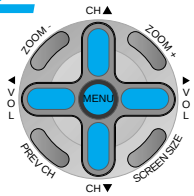

## 1 Press the "STILL" Button.

STILL

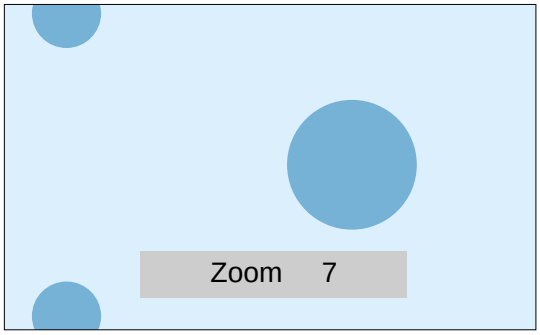
- If you wish to freeze a picture, press the "STILL" button. You can still hear the sound.
- Press "STILL" button to cancel the "STILL" function.
- To view the enlarged images, press the "ZOOM+" button.




## 2 Move the Screen Position.




- While you are in "Still" mode, press the "▲CH▼" and "◄VOL►" button to move screen stepwise up/down and left/right.



## NOTES:

1) Displaying the same images such as still images for a long time may cause image sticking (after-image lagging).
2) In this case, such "image sticking" may become less noticeable if moving images are later displayed for a long time.
3) However, an image sticking may become a permanent one, damaging the Plasma Display; therefore, avoid displaying the same images for a long time.
4) Use the function [ISM], while displaying still images for a long period of time to minimize this effect.

# Adjusting Auto Sound Mode

## 1 Select "SOUND MODE".

SOUND MODE

- Press the "SOUND MODE" on the Remote Control.
- Current sound mode will be displayed.

## 2 Every Press of the Button Changes Modes.

SOUND MODE

- Each time you press the button, a different sound mode appears. The sequence used is as follows:

Normal ➜ Movie ➜ Music ➜ News ➜ User

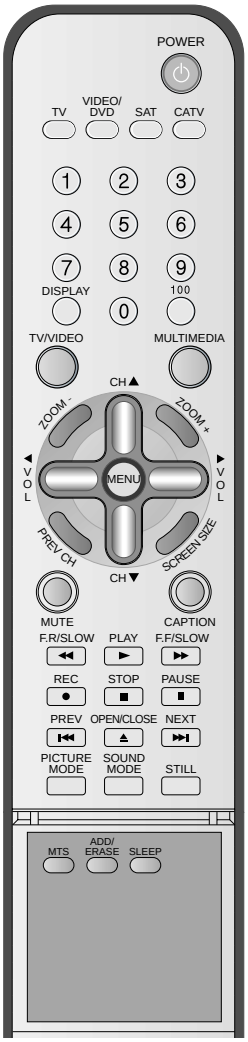
* Normal : Suitable for watching any motion picture
* Movie : Select this mode to simulate being at a movie theater
* Music : Ideal for listening to music
* News : Allows human voice to be heard more clearly
* User : Allows the user to adjust as desired.

## 3 MENU will Disappear.

- After selecting a desired sound mode, on-screen menu will disappear in about 2~3 seconds.
- Normal, Movie, Music and News Modes are factory preset values.
  If you want to customize the sound modes at your preference, refer to the following page.

### Adjusting Auto Sound Mode

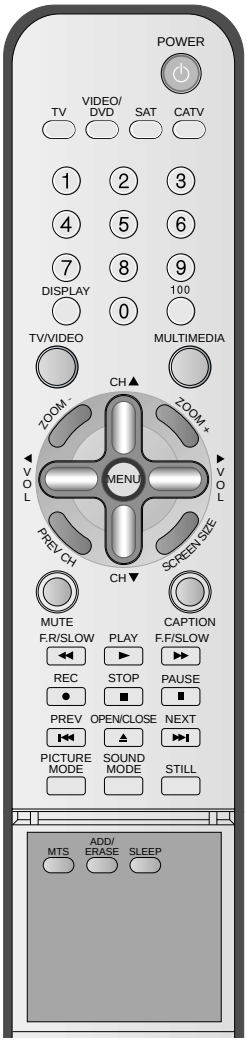
- Enjoy various sound modes by selecting your favorite Sound Mode depending on the kinds of moving pictures.



# Customizing Sound Mode

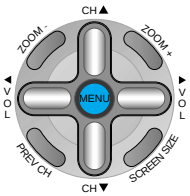
## Customizing Sound Mode

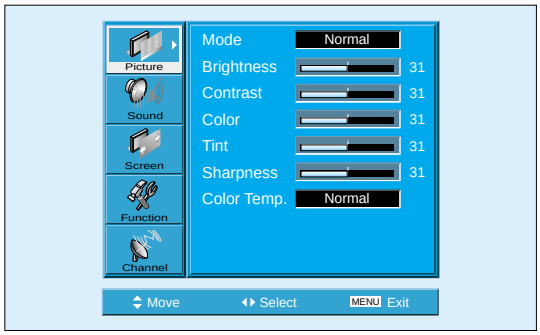
- This feature allows the user to adjust at his preference.




## 1 Press the MENU Button.

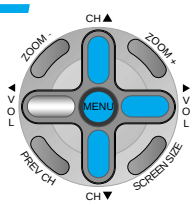
- The MENU Screen as below will be displayed.

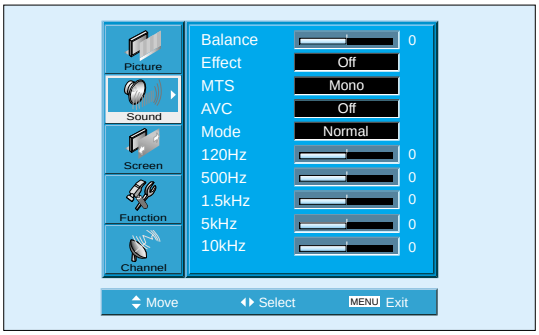



## 2 Press the "▲CH▼" button.

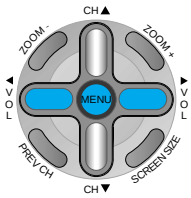
- Select [Sound] by pressing the "▲CH▼" button, then press the "◀VOL▶" button to display the following.

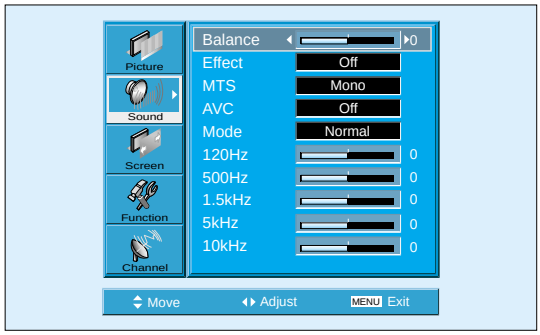


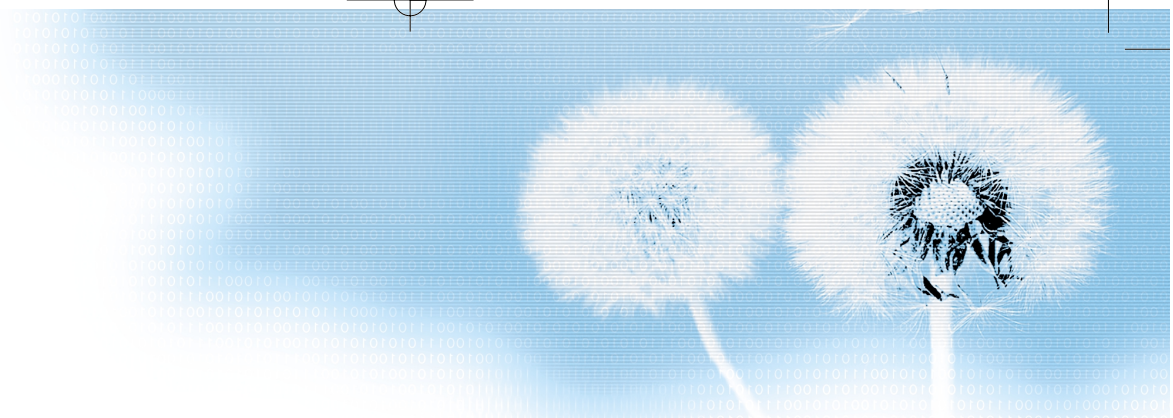




## 3 Select SOUND BALANCE.

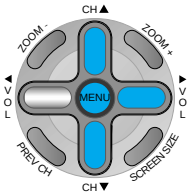
- Select Sound [Balance] by the "◀VOL▶" button, then adjust it.
- Sound Balance Function adjusts sound balance of left and right speaker.



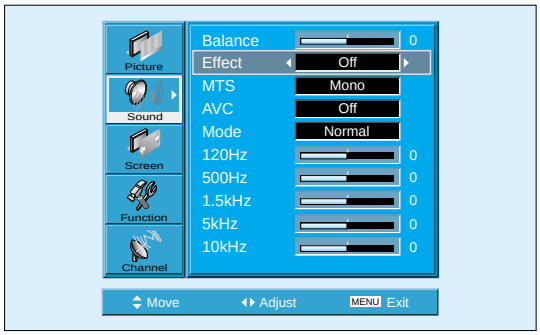





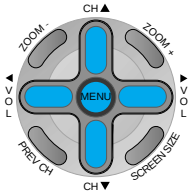
## 4 Select the Effect Mode.



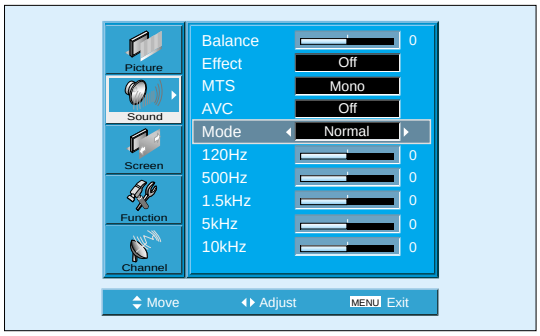

- Select [Effect] by pressing the "▲CH▼" buttons, then select ON/OFF by pressing the "◀VOL▶" button.
- [Effect]: Used to emphasize stereo effect.




## 5 Select the Sound Mode.




- Select the Sound Mode by pressing the "▲CH▼" button, then adjust it by pressing the "◀VOL▶" button.




Normal ➜ Movie ➜ Music ➜ News ➜ User

* Normal : Suitable for watching any motion picture
* Movie : Select this mode to simulate being at a movie theater
* Music : Suitable for listening to music
* News : Allows human voice to be heard more clearly
* User : Allows the user to adjust as desired.

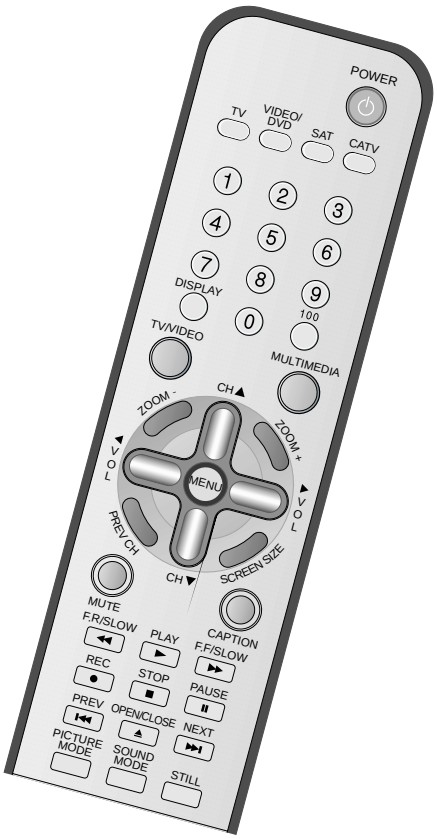
## NOTES:

1) Custom Mode : Used as an Equalizer with which the user can adjust the sound frequency as desired.
2) If you modify the sound frequency in auto Sound Mode (News, Movie, Music, etc.), it is automatically switched to the User Mode.
3) Low frequency is emphasized as the frequency is lowered to 120 Hz, and high frequency as raised to 10 KHz.
4) If you make connection to the Left Audio Input as input is MONO you can hear from both speakers.
5) MTS function : This function allows you to select the language and stereo sound while broadcasting.
6) AVC function : Because the sound sources have different volume level, this function automatically adjusts volume to a suitable level

# Selecting INPUT SIGNAL

## INPUT SIGNAL

- Used to select INPUT signal of external device connected to the PDP.




## 1 Press the INPUT SELECT Button.

TV/VIDEO

MULTIMEDIA

- Press the “TV/VIDEO” and “MULTIMEDIA” button on the Remote Control or the PDP Display to select desired input signal.
- Each time you press the “TV/VIDEO” and “MULTIMEDIA” button, a different screen mode appears. The sequence used is as follows:

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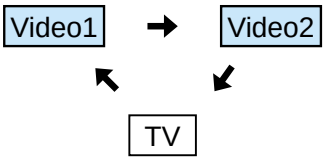
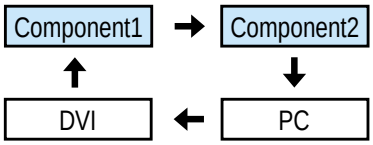
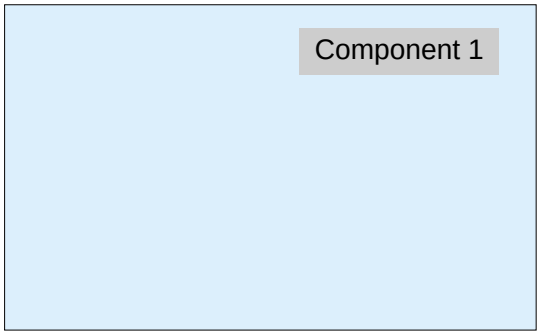
• **"TV/VIDEO "button**




• **"MULTIMEDIA "button**



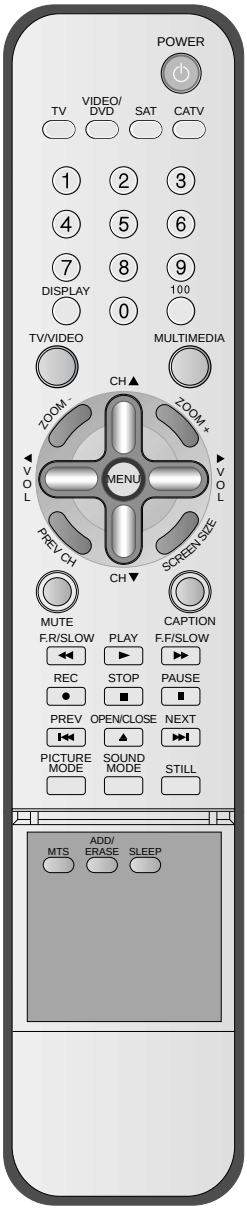
## NOTES:

1) If an external device is not connected or INPUT signal is not applied, Warning Message ("No Signal") would be displayed.
2) In this case, check if external device is connected and/or terminal connection is properly done.
3) Also, you can select input using [INPUT SELECT] button in the keypad of the pdp set.
   The used sequence is as follows:
   Video1 -> Video2 -> TV -> PC -> DVI -> Component1 -> Component2 -> Video1

# Checking the Current Input Signal

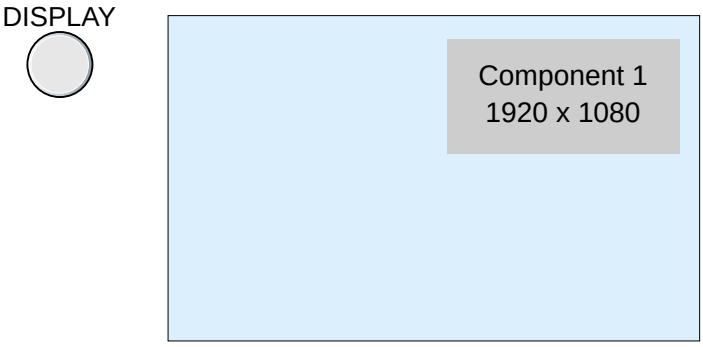
## Checking the Current Input Signal

- Used to check the INPUT signal mode, resolution, frequency(video only), etc. of the current screen.




## 1 Press the "DISPLAY" Button.

- Press the "DISPLAY" button on the Remote Control.




### 1. If you watch Digital Broadcasts:

Component 1 → Displays which input terminal is used, and indicates the input signal mode.
1920 x 1080 → Indicates the horizontal and vertical resolution of the current INPUT signal.

### 2. If you watch DVD image:

Component 2 → Displays which input terminal is used, and indicates the signal mode.
720 x 480 → Indicates the horizontal and vertical resolution of the current INPUT signal.

### 3. If you watch VCR image:

Video 1 → Displays which input terminal is used, and indicates the signal mode.
NTSC 60 Hz → Indicates the mode and frequency of the current INPUT signal.

### NOTES:

1) DAEWOO PLASMA can receive NTSC, PAL, SECAM, etc.
2) "1920 x 1080" displayed in the INPUT signal does not indicate the resolution of the monitor. The displayed resolution is sent by Digital Broadcasting Receiver.

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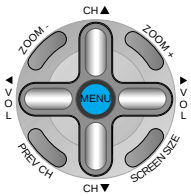
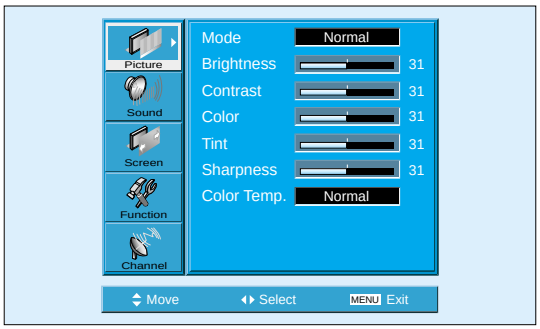
# MENU Background, Language and Key pad Lock Setting

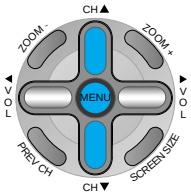
## 1 Press the MENU Button.



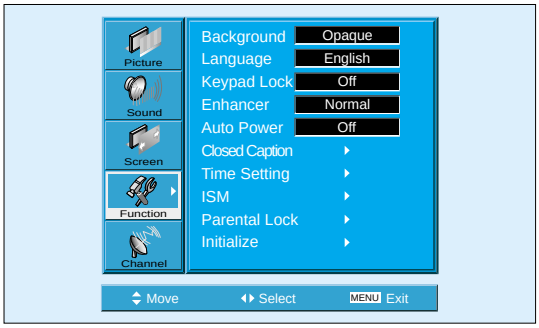

• The MENU screen will be displayed as below.



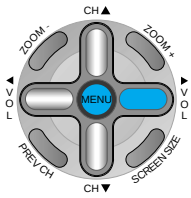

## 2 Press the "▲CH▼" Button.




• Select [Features] by Pressing the "▲CH▼" button.

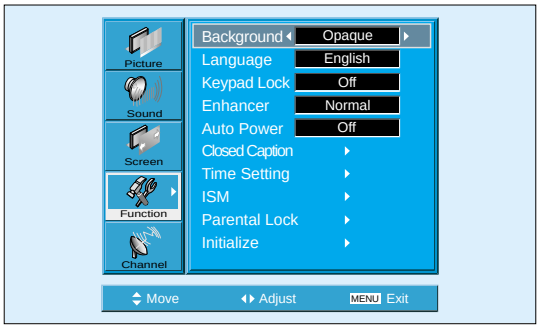



## 3 Select the menu Background.




• Select the MENU [Background] by pressing the "◀VOL▶" button.

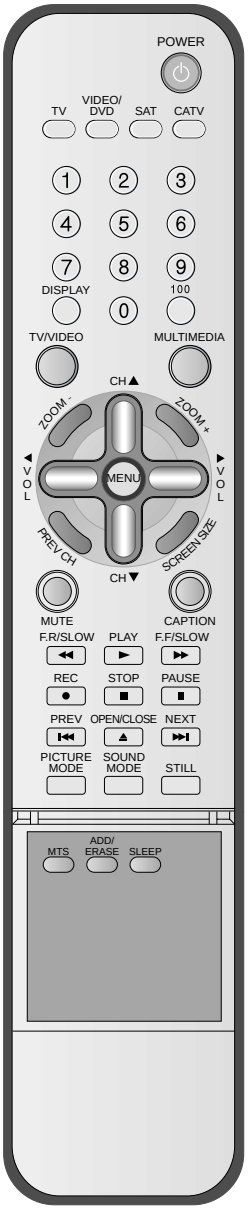
• Every press of the "◀VOL▶" button while you are in the[Background] would switch between Transparent and Opaque.



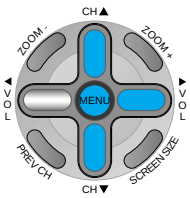

### Selecting Languages

• Used to select transparent of MENU background and language used in MENU.

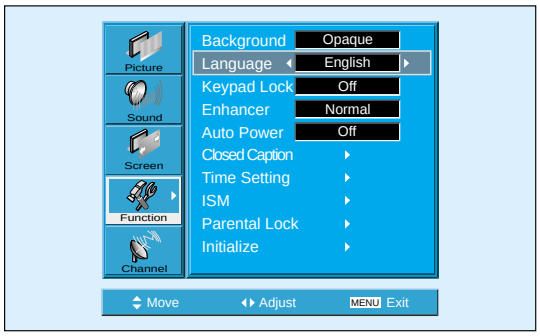
# MENU Background, Language and Key pad Lock Setting




## 4 Select LANGUAGE by using the "▲CH▼" Button.



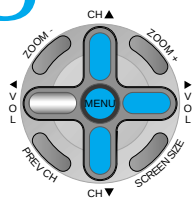

- Select LANGUAGE by using the "▲CH▼" button.
- Every press of the "◀VOL▶" button while you are in the [LANGUAGE] mode would cycle through the different languages.



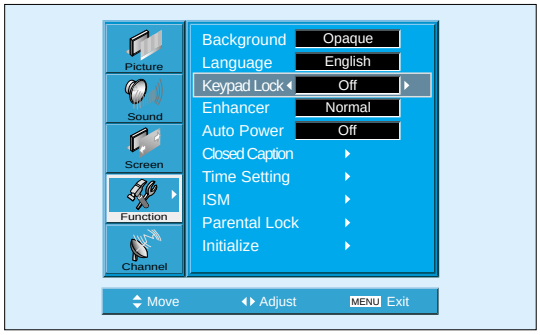
### NOTES:

* When Power is turned ON first time, 'SELECT LANGUAGE' Mode will be displayed, then, select a desired language by using "◀VOL▶" button. (Displayed only once)

## 5 Keypad Lock Setting




- Select [Keypad Lock] by the "▲CH▼" buttons, then press the "◀VOL▶" button to set Keypad Lock ON.



### Keypad Lock

1) When [Keypad Lock] is set to ON, You can prevent the use of the TV set without the remote control.
2) If Keypad Lock is set to On, pdp can be turned on only using the remote controller.

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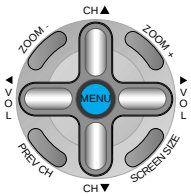
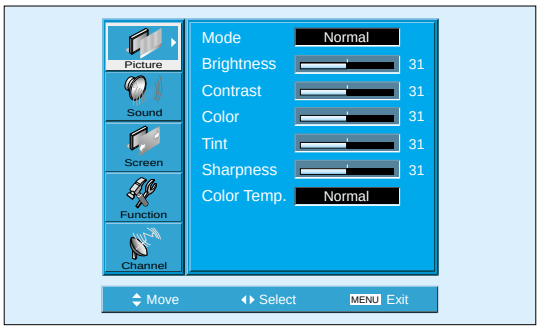
# Enhancer Demo and Auto Power Setting

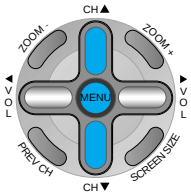
## 1 Press the MENU Button.



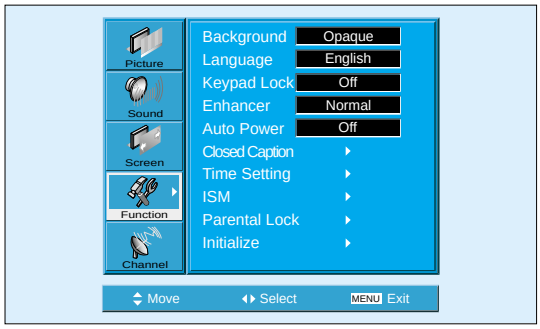

• The MENU screen will be displayed as below.



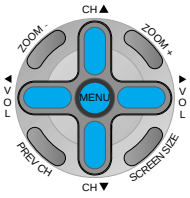

## 2 Select Features



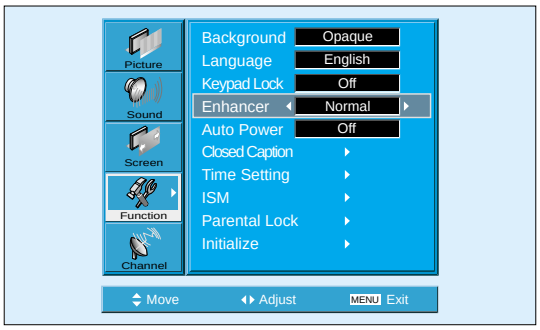

• Select [Features] by the "▲CH▼" button.




## 3 Enhancer Demo Setting




• Enter the sub menu by using the "◀VOL▶" button.
• Select the [Enhancer] by pressing the "▲CH▼" button.
• You can select [Enhancer] Demo and Normal mode by using the "◀VOL▶" button.




### Enhancer Demo

• When [Enhancer] is set to Demo mode, Half of screen is [Enhancer] ON and the other half is [Enhancer] OFF.
• When [Enhancer] is set to Normal mode, entire Screen is [Enhancer] ON.

*** Enhancer Demo Mode**

| | |
|---|---|
| Enhancer Normal | Enhancer Demo |

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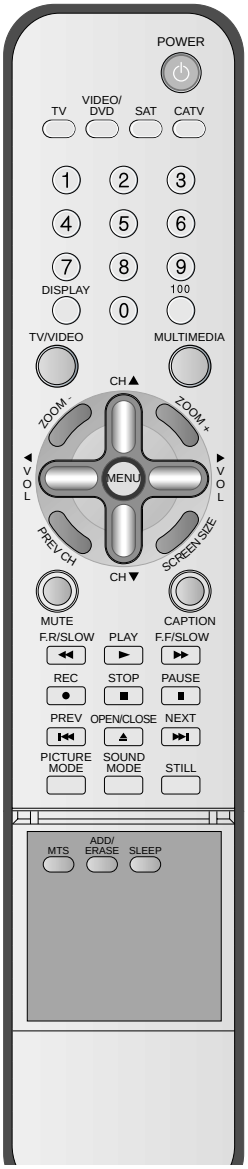
# Enhancer Demo and Auto Power Setting

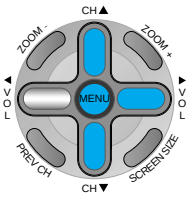
## POWER/STANDBY Indicator

Front panel LED lights

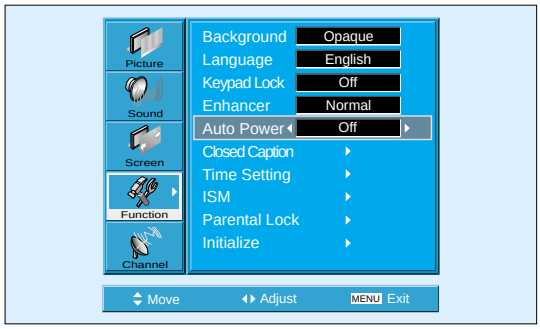
- When the AC power is on : Green.
- When the AC power is in the standby mode : Red.




## 4 Auto Power Setting




- Select the [Auto Power] by pressing the "▲CH▼" button.
- You can select [Auto Power] ON and OFF mode by using the "◀VOL▶" button.



### Auto Power

1) ON : When the AC power is ON, the TV will turned on automatically without pressing the power button on the remote control.

AC POWER ON → PDP SET ON

↓

Automatically

2) OFF : When the AC power is ON, the TV will turned on by pressing the power button on the remote control or the keypad of front panel.

AC POWER ON → STANDBY MODE → PDP SET ON

↓

With the remote control or the keypad of front panel.

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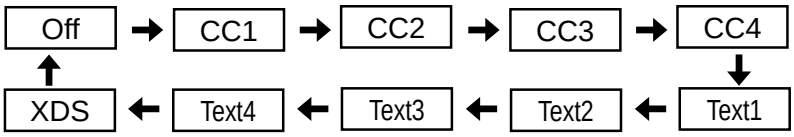
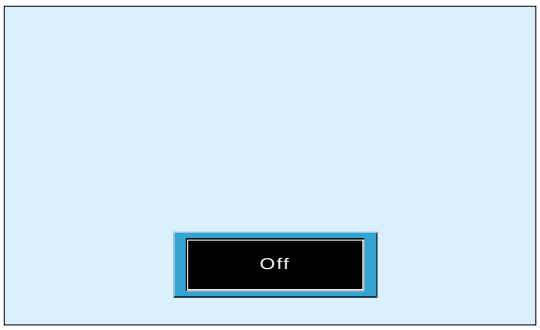
# Closed Caption Setting

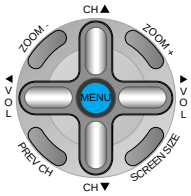
## 1 Auto Power Setting

- Press the "CAPTION" button on the Remote Control.
- Whenever pressing the "CAPTION" button, caption mode is changed as follow.

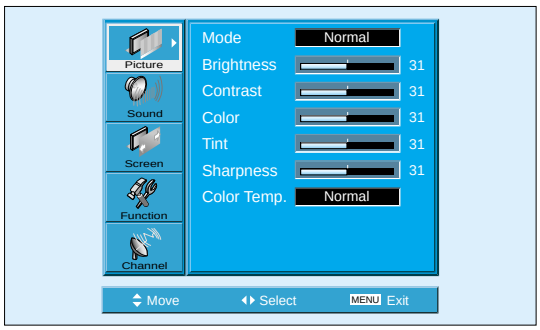


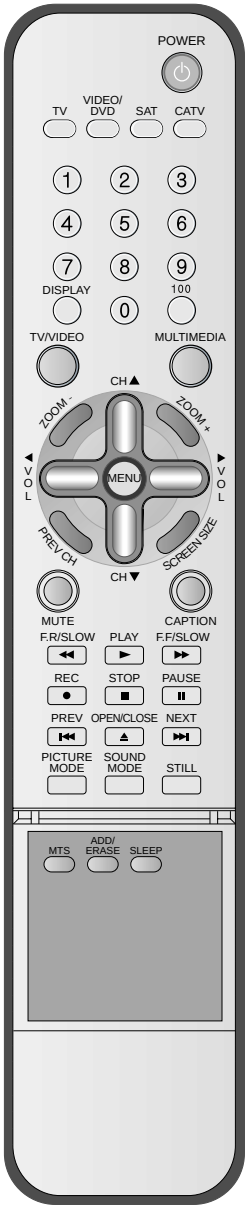




## 2 Closed Caption Setting in the Menu.




- Press the Menu Button.
- The MENU screen will be displayed as below.



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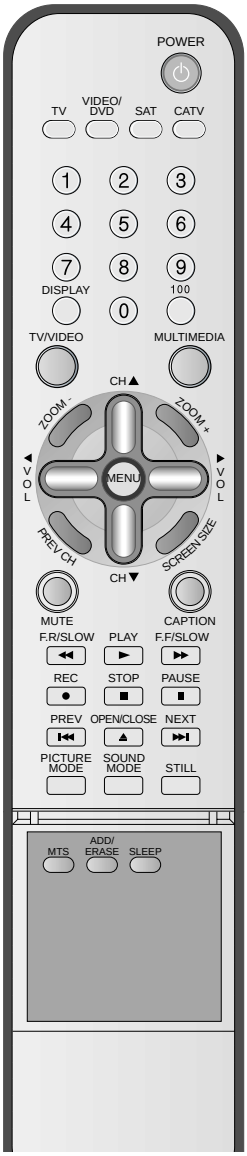
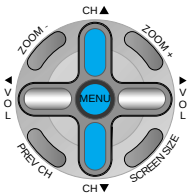
# Closed Caption Setting

## Caption Box Setting

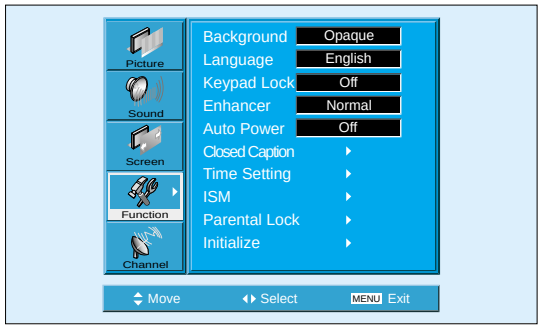
- Black : Background of the caption box is black.
- Transparent : Background of the caption box is Transparent.



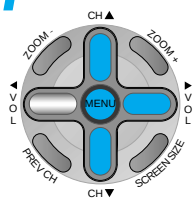

## 3 Select Features



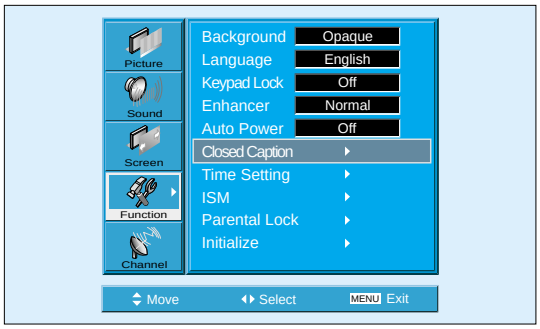

- Select [Features] by pressing the "▲CH▼" button.



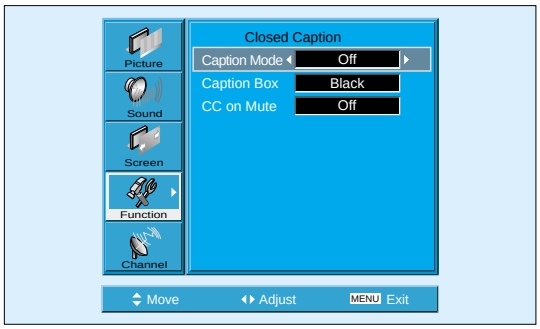

## 4 Select Closed Caption




- Enter the sub menu by using the "◀VOL▶" button.
- Select the [Closed Caption] by pressing the "▲CH▼" button.
- You can select [Closed Caption] by using the "◀VOL▶" button.




- Caption Mode (Off -> CC1 -> CC2 -> CC3 -> CC4 -> Text1 -> Text2 -> Text3 -> Text4 -> XDS -> Off) and Caption Box (Back and Transparent) can be set.



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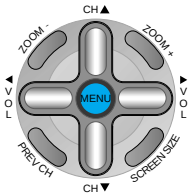
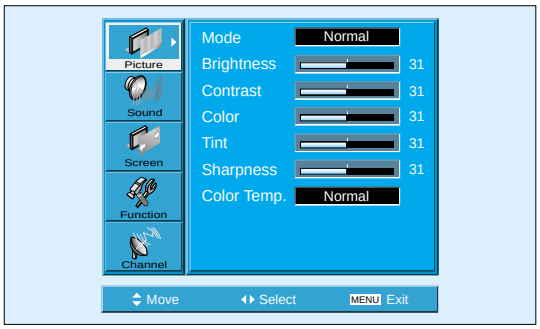
# Time Setting

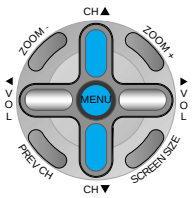
## 1 Press the MENU Button.



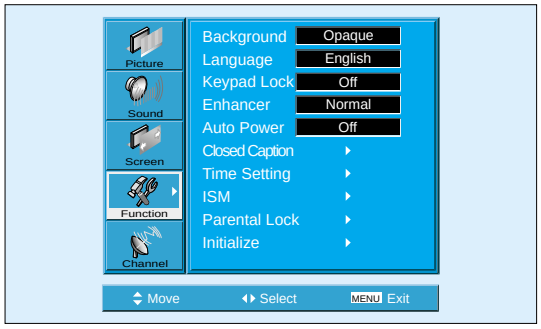

• The MENU screen will be displayed as below.



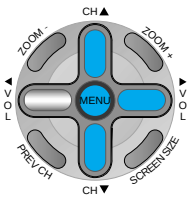

## 2 Select Features



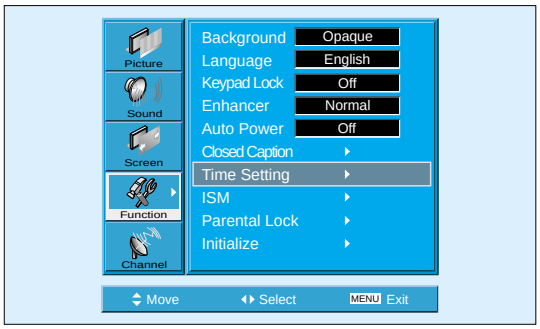

• Select [Features] by the "▲/▼" button.

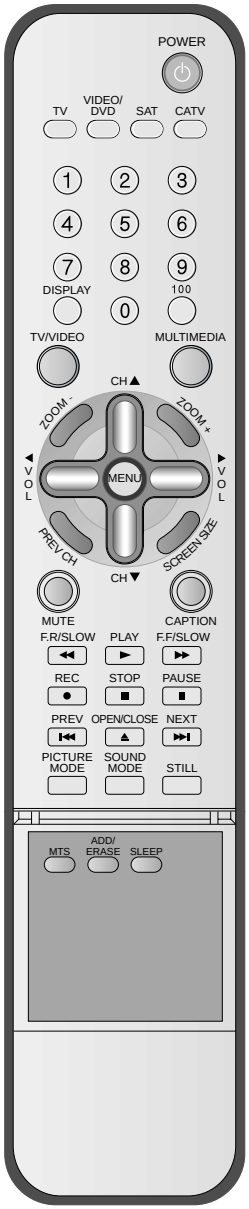



## 3 Select Time Setting




• Enter the sub menu by using the "◀VOL▶" button.
• Select the [Time setting] by pressing the "▲/▼" button.
• You can select [Time setting] by using the "◀VOL▶" button.



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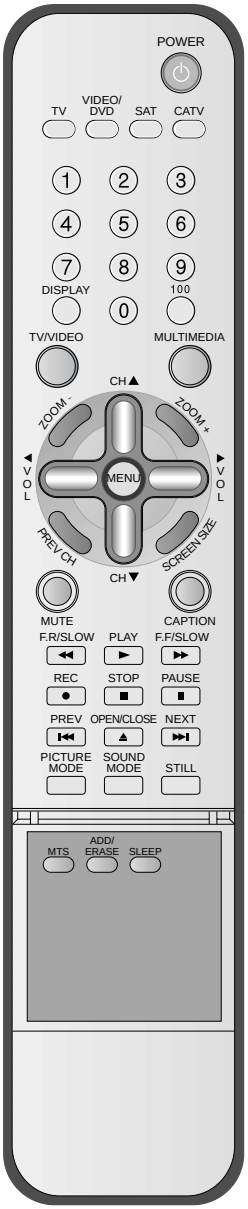
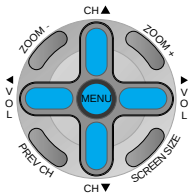
# Time Setting

## Time Setting

- The "Current time" must be set up ahead of setting up other time memories.




## 4 Off-Time and Wake Time setting




- Select Functions by pressing the "▲CH▼" button. First, set [Clock]- current time, and then You can setup off-time and wake time.

## Time Setting Functions

1) This time memory function automatically turns the TV set "On" of "Off"at a desired time. Once set up, this function works every day unless the set time is canceled or the TV set is unplugged. Therefore, this function could be used for a "Get up" alarm (Morning Call) by setting up the time for "On" in the morning.

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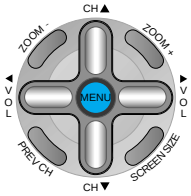
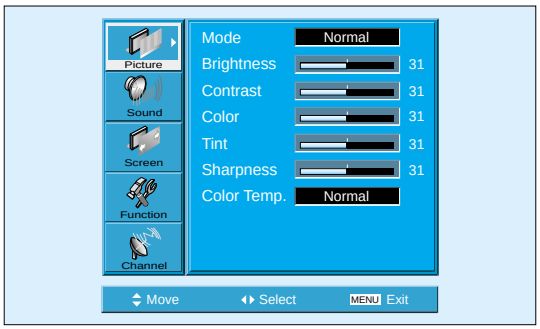
# Image Sticking Minimization(ISM)

## 1 Press the MENU Button.

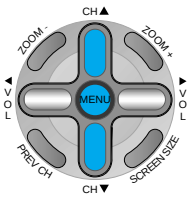
• The MENU screen will be displayed as below.

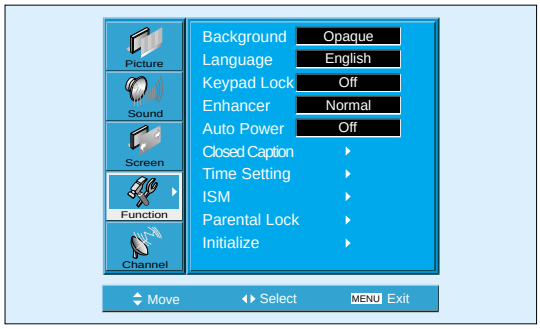


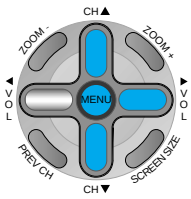

## 2 Press the "▲CH▼" Button.

• Select [Features] by the "▲CH▼" button.

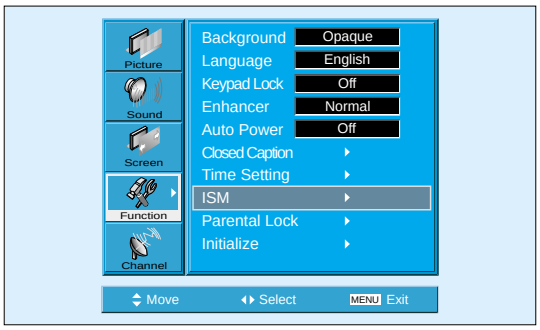



## 3 Select ISM.

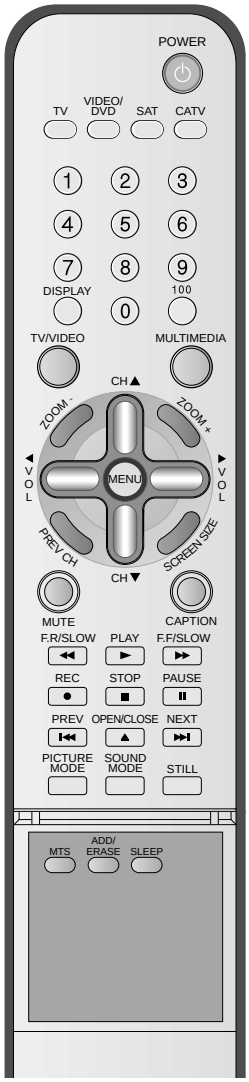



• Enter the sub menu by using the "◀VOL▶" button.
• Select the [ISM] by pressing the "▲CH▼" button.
• Press of the "◀VOL▶" button while you are in the ISM.

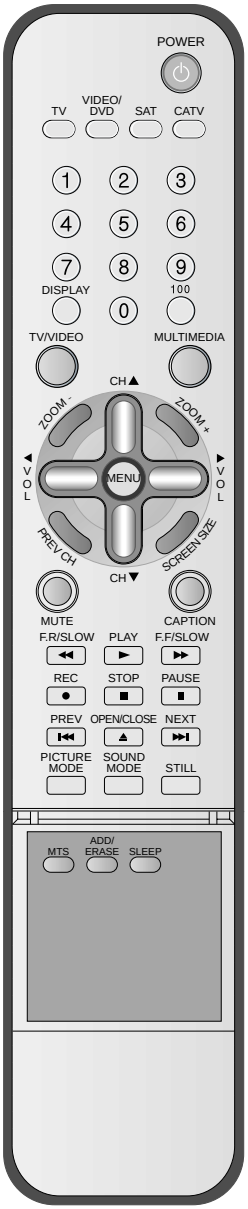



### ISM

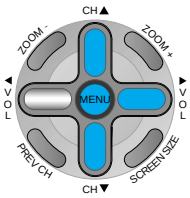
• Image sticking minimization.
• Displaying a still image like PC input for a long time causes part image sticking in the panel
• The ISM function minimize this effect.



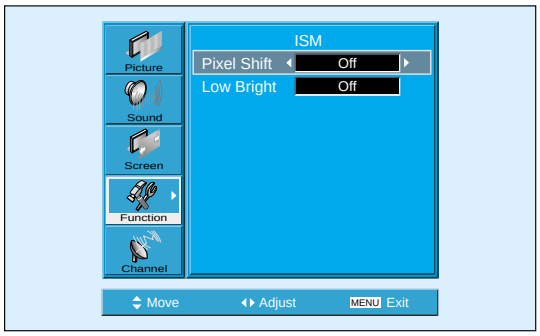
# Image Sticking Minimization(ISM)




## 4 Select Functions.




• Every press of the "◀VOL▶" button after select function by the "▲CH▼" button would switch between ON/OFF.



## NOTES:

* **Pixel Shift** : The whole screen shifts up/down, left/right at 10sec interval to minimize image sticking.

* **Low Bright** : When displaying a stand picture or a fixed pattern for a long time, brightness level decreases to minimize image sticking. Return to the original brightness level if picture change or mode off.

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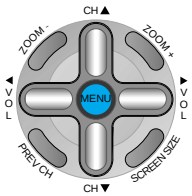
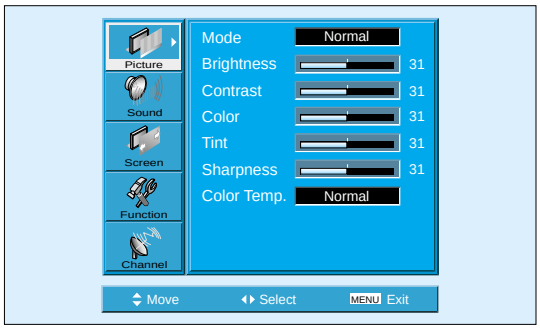
# Parental Lock Setting

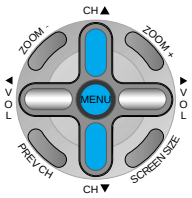
## 1 Press the MENU Button.



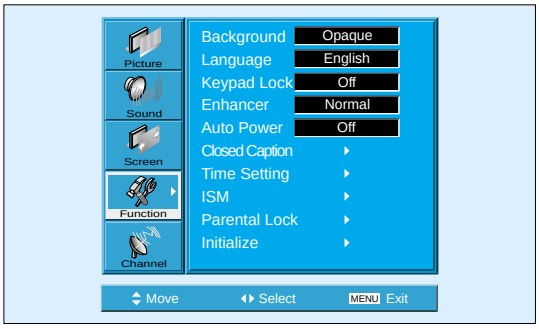

• The MENU screen will be displayed as below.



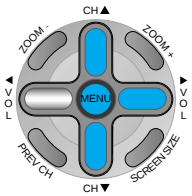

## 2 Select Features



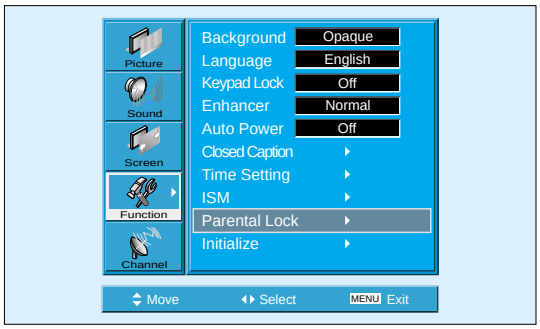

• Select [Features] by pressing the "▲CH▼" button.




## 3 Select the Parental Lock




• Enter the sub menu by using the "◀VOL▶" button.
• Select the [Parental Lock] by pressing the "▲CH▼" button.
•You can select [Parental Lock] by using the "◀VOL▶" button.




## Parental Lock

• When "Parental Lock" is on, the locked channels are not available on the screen.

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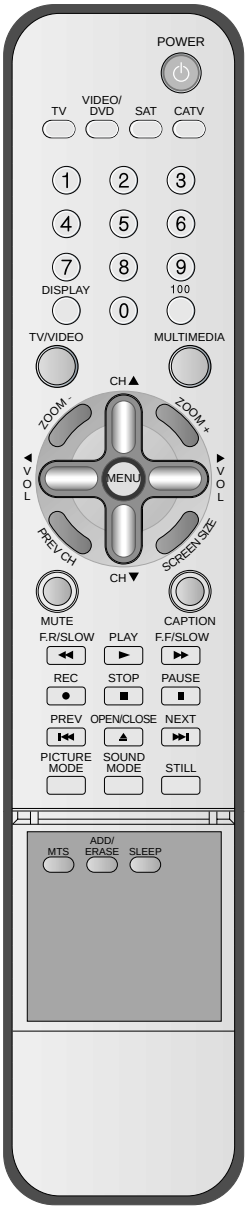
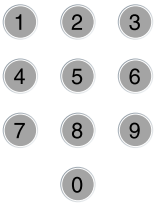
# Parental Lock Setting

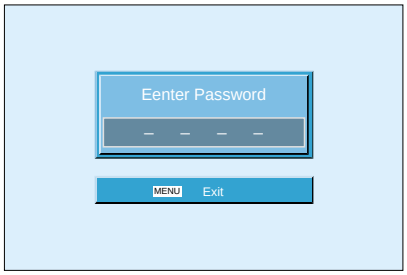


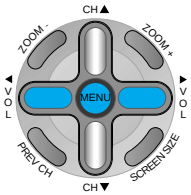

## 4 Press "Password".



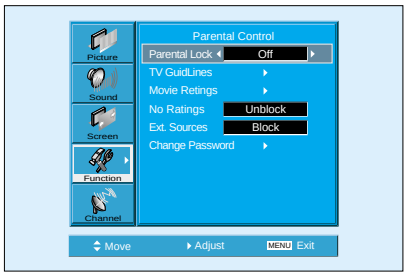

- Press Password by using number 0~9.

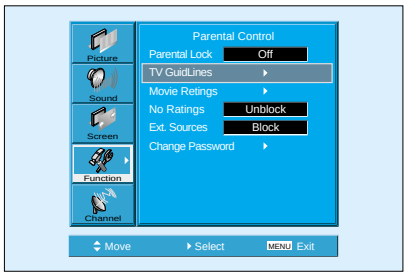
Caution) If using your password, remember it. It is needed for continuous use of this function hereafter.

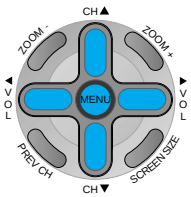


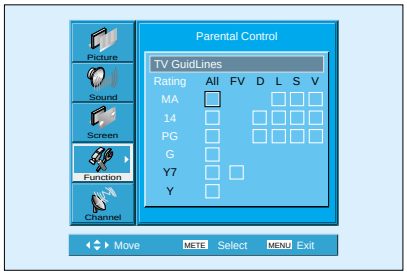

On – Off of the Parental Control is repeated whenever pressing the "◀VOL▶" button.




- A guideline of TV is setup in all the TV programs including sports, news.
- The "▼CH▲" button selects items and the "◀VOL▶" button sets up or cancels each item.



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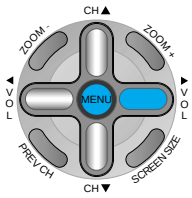
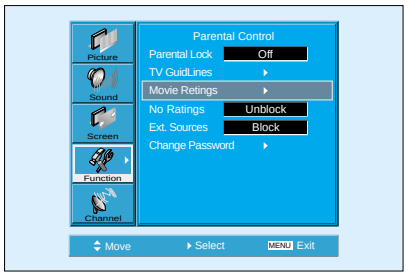
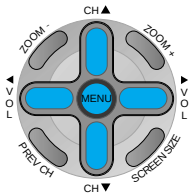
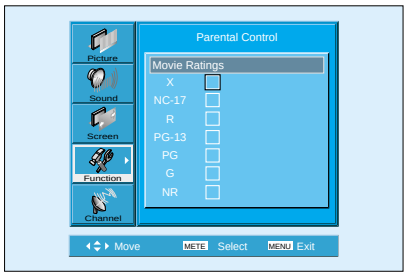


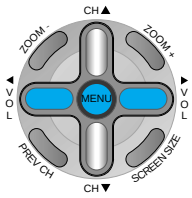

• Rating of movie is setup even in movie, videotape and other media objects including TV program.



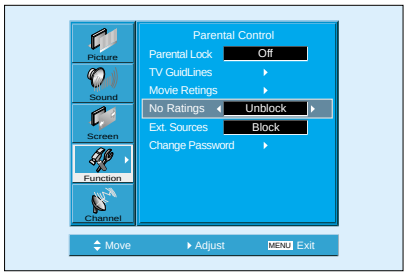



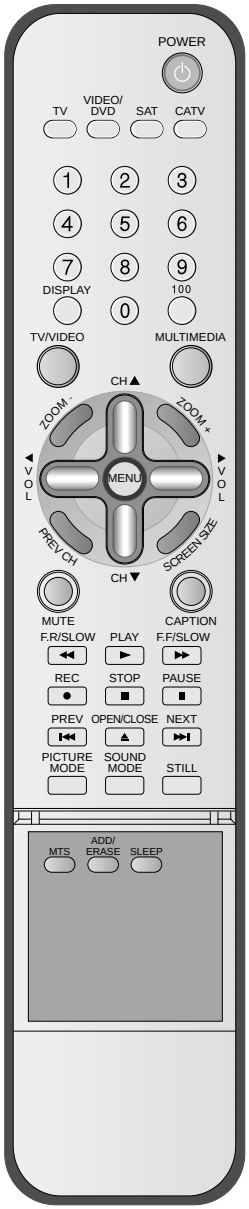

• The "▼CH▲" button selects items and the "◀VOL▶" button sets up or cancels each item.




• Interrupts program without rating.
• Interrupts program of the input terminal for the outside video (video 1, 2,)
• Sets up the Unblock or the Block with the "◀VOL▶" button.



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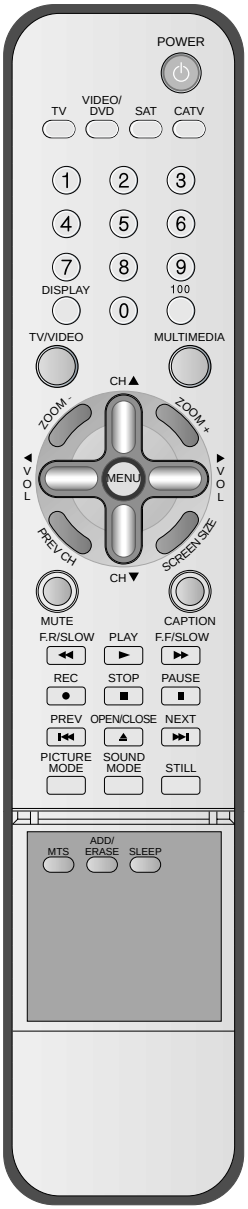
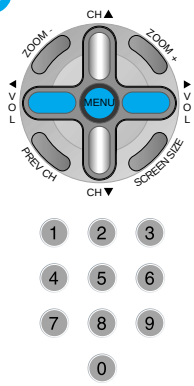
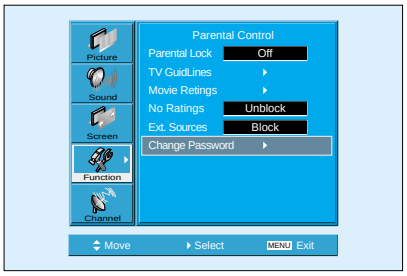
# Parental Lock Setting

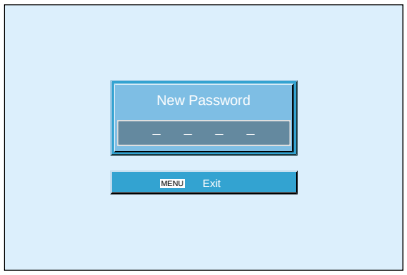


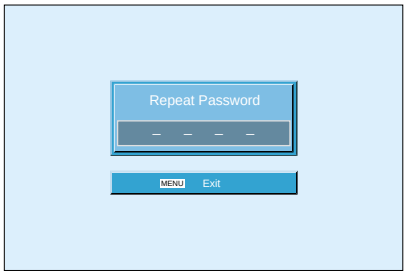

## 5 "Change Password".




- In the initial purchase of TV set, password is set to blank.
  In continuous use of Parental Control, you need to change your password.
- If pressing the "◀VOL▶" button after selecting password, the second screen of below drawing appears. Here, newly enter your unique password by using number of 0 through 9. Enter your password in the same manner once again.




## 6 Exit from the "Parental Control" menu.

- The main menu appears if pressing the menu button once.
- The OSD of the menu disappears if pressing the menu button until it disappears.

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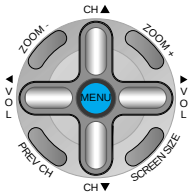
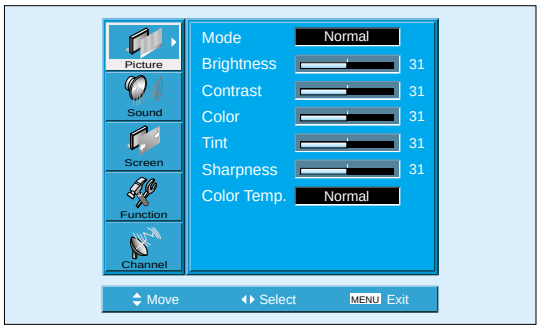
# Initialize Setting

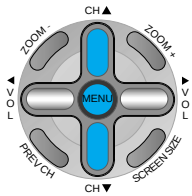
## 1 Press the MENU Button.



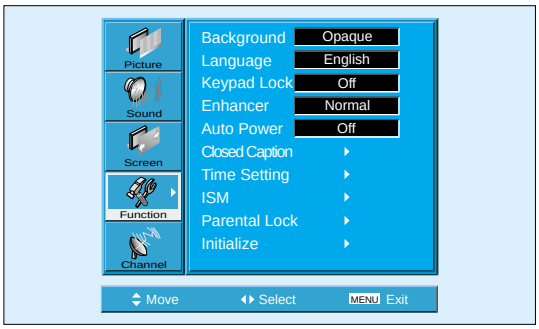

• The MENU screen will be displayed as below.




## 2 Select Features

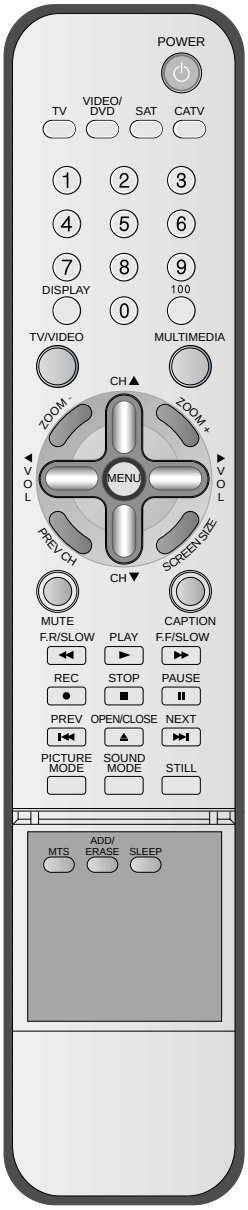



• Select [Features] by the "▲CH▼" button.



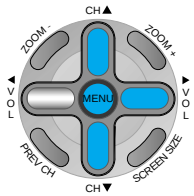

## Back to Initialization

• You can restore the values of the adjustment setting made in the MENU to factory settings.

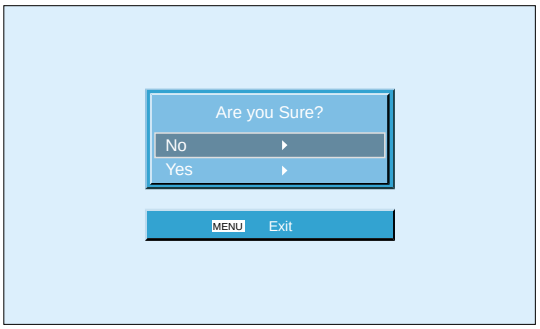


# Initialize Setting

## 3 INITIALIZATION




- Enter the sub menu by using the "◀VOL▶" button.
- Select the [Initialize] by pressing the "▲CH▼" button, then press the "◀VOL▶" button.
- A confirmation message will be displayed.
- To perform initialization, press the "VOL▶" button after selecting [YES] by pressing the "▲CH▼" button.
- To return to MENU, press "MENU" button.



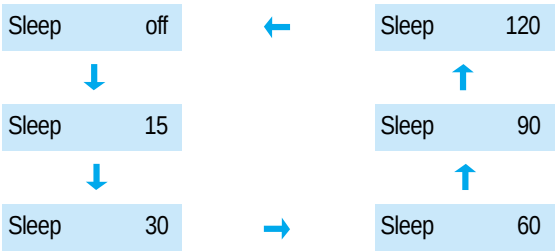
### When [INITIALIZATION] is completed:

1) When [INITIALIZATION] is completed, those values that have been set in the User Mode of [SCREEN MODE] and [SOUND MODE] will be returned to the factory preset values.
2) Once initialized, you can not undo.
3) The items in the [SCREEN] Menu in PC or DVI INPUT are also initialized (i.e., H. Size, V. Size, H. Position, V. Position, Phase, Frequency, etc.)
4) Language, volume, OSD background, input mode are not initialized.

# Setting Sleep Timer

## 1 Press the "SLEEP" Button.

- Press the "SLEEP" button on the Remote Control.
- Pressing the "SLEEP" button first time will display the current setting for SLEEP TIMER.
- To cancel the SLEEP TIMER, press the "SLEEP" button to select 'OFF'.

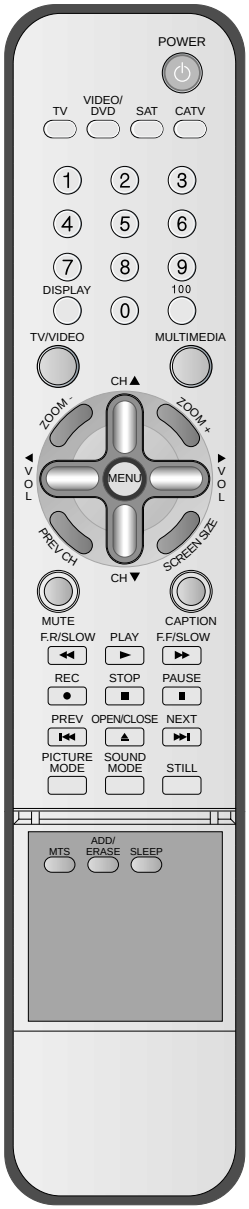


### NOTES:

1) On-screen information disappears if you do not take any action for about two seconds after pressing the SLEEP button.
2) If you turn the PDP off after setting SLEEP, the setting is erased.

### Setting Sleep Timer

- SLEEP TIMER turns the PDP off after a preset time.



# Before Requesting Service

Before requesting for service, check the following points once again.

Symptoms

Checks

Action

**• Remote control does not function properly.**

• Check for any obstacle between the Remote Control and the Display.
• Check for dead batteries and incorrect battery orientation.
• Check if the Remote Control is the right one.

• Remove any obstacle between the Remote Control and the Display.

• Replace batteries and use the correct polarity (+) or (-) of the batteries.

• Use the correct Remote Control proper to the model.

**• The Display makes a snapping sound.**

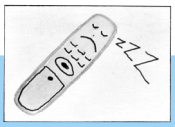
• Check if the pictures and sound are normal.

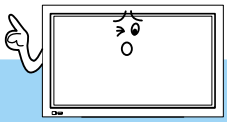
• This sound is produced due to variations in room temperature.
• This sound does not indicate that the Display has a problem if the pictures and sound can be viewed and heard properly.

**• There are empty spots at the top and the bottom area of the screen.**

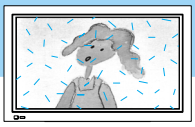
• Check if the screen size of an image is wider than 16:9 aspect ratio (theater screen size).

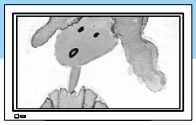
• When video screen is wider than 16:9 aspect ratio, you may see dark areas at the top and the bottom of the screen.





## Before Requesting for Service





Symptoms

Checks

Action

**• There are spots on the screen or screen rolls.**

• Check if your product is affected by any interference from automobiles, high-voltage transmission lines, neon signs or other potential sources.

**• Screen size is suddenly changed.**

• The screen size of a video image may not be matched to the size of the dark initial screen.

• Check by using other video tape.

# SPECIFICATIONS

**In the event that the product has been submerged in the water in rainy season:**
Immediately wash it with clean water, and dry it in a shadow place, then call for service from the nearest Daewoo Service Center.
Never plug the Power Cord since there is risk of electric shock and damage of the product.

## DISPLAY UNIT

| | |
|---|---|
| Diagonal Size | 106cm (42”) |
| Screen Aspect Ratio | 16 : 9 |
| Display Resolution | 853(H) ×480(V) dots |
| Pixel Pitch | 1.08(H) ×1.08(V) mm |
| Video Signal | NTSC, PAL, SECAM, PAL-M/N, NTSC4.43 |
| Dimension | 1044(W) ×631(H) ×89(D)mm<br>41.10(W) ×24.84(H) ×3.50(D)inch |
| Weight | 30 kg (66.14Lbs) |
| Power Requirement | AC 100-240V~, 50/60Hz |

* Appearance and specifications of this product are subject to change for improving the product without prior notice.

## INPUT/OUTPUT TERMINAL

| INPUT/OUTPUT | ITEMS | VIDEO | AUDIO |
|---|---|---|---|
| EXTERNAL INPUT | COMPONENT INPUT | DTV/DVD ONLY<br>(Y, Pb/Cb, Pr/Cr), 2 sets | (LEFT/RIGHT)<br>2 sets |
| | VIDEO INPUT | two RCA jacks | (LEFT/RIGHT)<br>2 sets |
| | S-VIDEO INPUT | two 4 pin Mini DIN jack | |
| | Computer(PC) | one 15 pin D-sub jack<br>one DVI-D(Digital only) jack | (LEFT/RIGHT)<br>2 set each |
| | RF INPUT | | |
| EXTERNAL OUTPUT | | VIDEO OUTPUT | one RCA jack<br>(LEFT/RIGHT) 1 set |
| AUDIO OUTPUT | SPEAKER OUTPUT(sold separately) | 20W (two 10W) | |