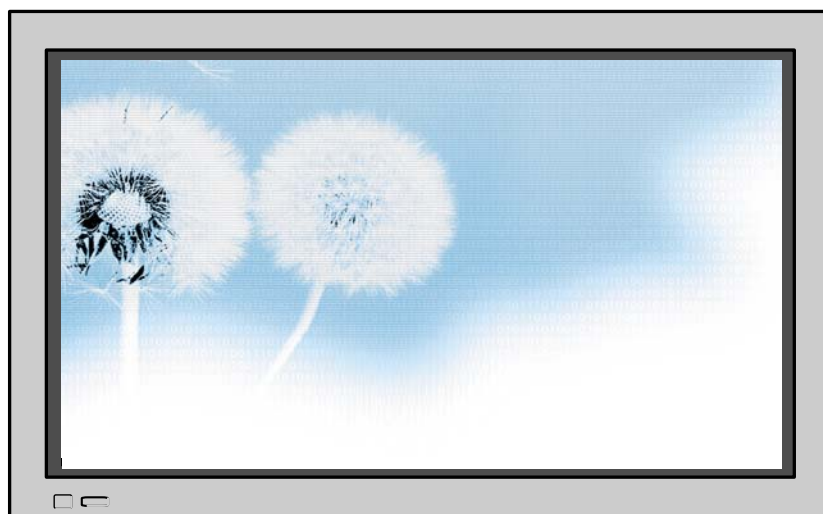


DAEWOO PLASMA

PLASMA DISPLAY USER'S MANUAL

DSP-4280GM
DSP-4282GM



**Proper use guarantees
product life.**

Before using the product, be advised
that you read this owner's manual well
and try to operate it.

- Product Warranty is included -

DAEWOO ELECTRONICS, LTD.

Features

• 42" super-wide, 8 cm Ultra Slim Wall-mounting TV

SUMMUS PLASMA opens new TV era with advanced plasma technology – 8 cm ultra slim TV.

Light weight of only 30 Kg allows installing in narrow space.

• DVD Direct Connection / Outstanding Picture Quality Digital Broadcasts Receive (SD Grade)

DVD can be directly connected so that you can view clear digital images, and by connecting digital broadcasts connecting terminal with which digital broadcasts can be viewed, you can enjoy high quality images. (When using digital broadcasting set-top box)

• PC Direct Connection

PC can be connected to the PDP without separate device, and can be used as clear monitor so that the effect of presentation gets maximized, making it popular in various events and exhibitions.

• PDP TV with Minimized Noise

Up to now, although PDP TV had outstanding picture quality, there was problem with the noise by cooling fan. SUMMAS PLASMA does not need cooling fan any more since it adopts air circulation method with excellent heat transfer, eliminating the fan noise.

• 160° wide-Angle Viewing Area

• Flat Panel with No Distortion and Color Blurring

Since Plasma TV has no problems such as distortion, blurring, flickering unlike with existing brown tube type, you can enjoy Home Theater with super speaker.

• Various Video Control

- 11 languages OSD - 10 step screen zooming function - full-screen still function
- Various aspect ratio (16:9, Panorama, Normal, Zoom2, Zoom1)

• 3 Way 6 Speaker Stereo Sound System

• Worldwide : NTSC, PAL, SECAM / Free Volt (100-240V 50/60Hz)

This Owner's Manual presents safety precautions and how to use the product.
After reading it thoroughly, use the product safely.
Keep this manual where the user can see it easily.

Failure to comply with warnings and cautions for the safe use of electric appliances may cause fire or human injury.

FCC RF INTERFERENCE STATEMENT

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

- 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 technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment,

Safety Precautions

Always obey all safety messages.

- All the safety and operating instructions should be read before the product is operated. If anything strange happens, unplug this product from the wall outlet.
- Do not disassemble or replace any parts of the monitor. Refer servicing to qualified service personnel.

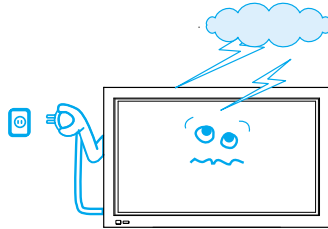
WARNING

You can be killed or seriously injured if you don't follow instructions.

Power

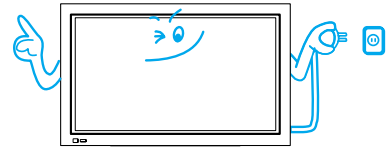
During a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet.

It can result in fire.



When unplugging your monitor, always grip plug firmly and pull straight out from the receptacle.

It can result in fire or electric shock due to damaged power cord.



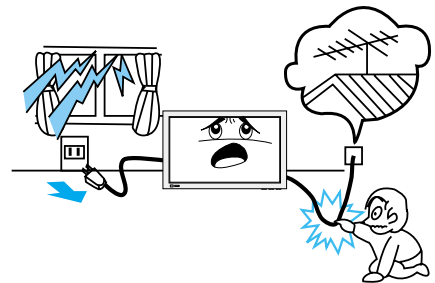
This product must be properly grounded.

- Improper grounding may cause malfunction or electric shock.
- When proper grounding is not possible, install circuit breaker.
- Do not ground to gas pipe, water pipe, lightning rod, and telephone line.



During a lightning storm, unplug the monitor from the wall outlet, and do not touch antenna.

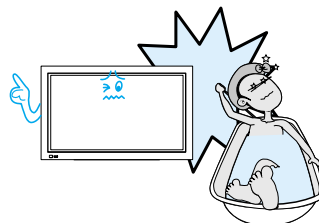
It can cause fire or electric shock.



Installation

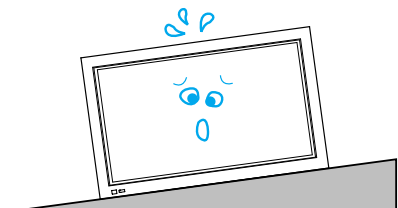
Do not use this product in the neighborhood of a bath or shower.

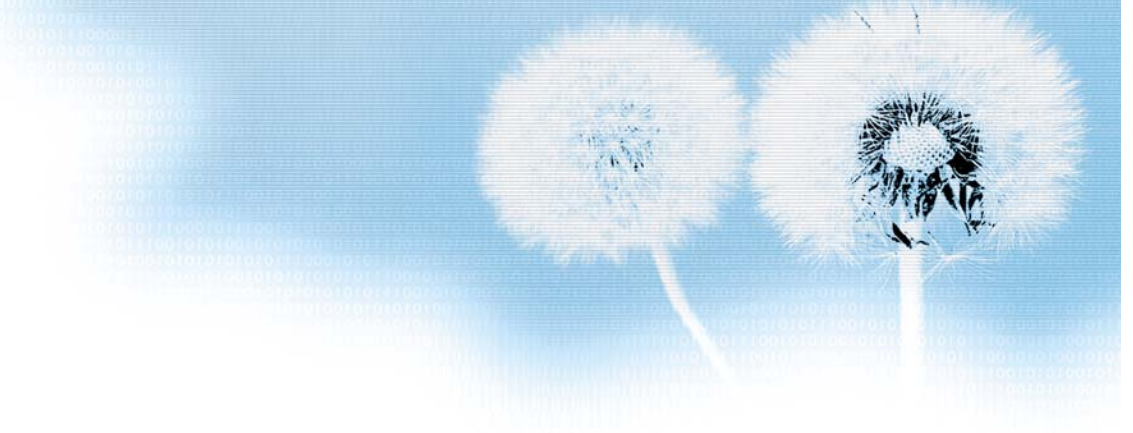
It can result in electric shock or fire.



Do not place this monitor on an unstable cart, stand, or table

It may cause the product and cart to overturn, damaging equipment or causing possible injury.

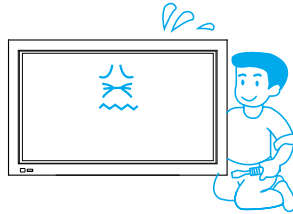




While Using Monitor

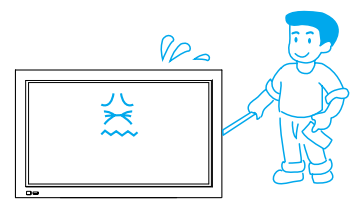
Do not open cover (or back) because high voltage is present within the monitor's enclosure.

It may cause electric shock.



Never push objects of any kind into this product through opening at the back of monitor.

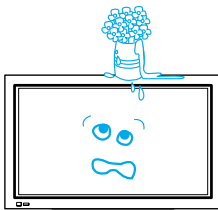
It may cause fire or electric shock.



PREP
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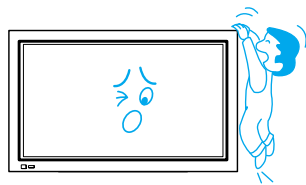
No objects filled with liquids, such as vases, shall be placed on the monitor.

Spilled liquids may cause electric shock or fire.



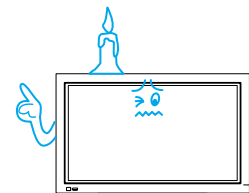
Do not allow children to play or hang on the monitor.

These actions may tip it over, causing personal injury.



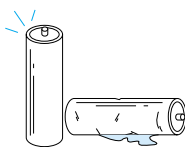
Do not place candle or lighted cigarette on the monitor.

If these fall into the inside of the monitor, it may cause fire or explosion.



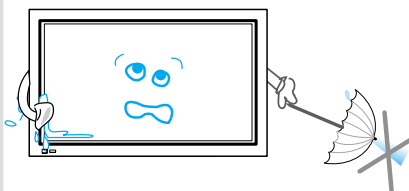
Do not disassemble batteries, and do not allow children to swallow them.

Heavy metal may contaminate environment, and can be harmful or detrimental to human health. (When children swallow the batteries, go to hospital and consult with him.)



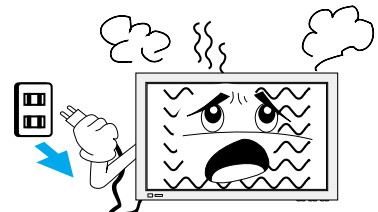
Do not spray water to the monitor or wipe with damp cloth.

It may cause electric shock or fire.



Unplug the monitor from the wall outlet when smoke or strange smell occur, then refer servicing to service personnel.

In the case of continuous use, it may cause fire or electric shock.



Safety Precautions

Power

Always obey all safety messages.

- All the safety and operating instructions should be read before the product is operated.

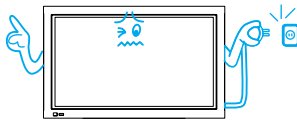


CAUTION

You can be injured or this product or any other your property can be damaged if you don't follow instructions.

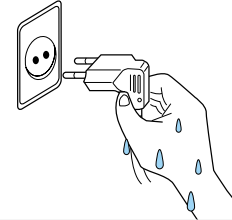
When moving your monitor, remove the power plug, antenna, and cables, and be sure to move it by more than two persons.

Failure to follow this instruction can result in electric shock or personal injury.



Do not touch the power plug with wet hands when plugging or unplugging.

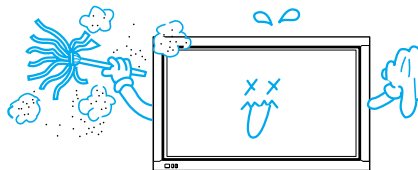
It can result in a risk of electric shock.



Installation

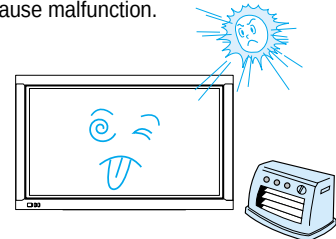
Do not install where there are oil, smog, moist, and dust

It may cause malfunction.



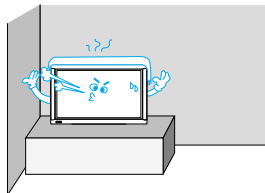
Do not install the product where it will be exposed to the direct sunlight, and the product should not be placed near heat sources such as radiators, stoves.

It may cause malfunction.



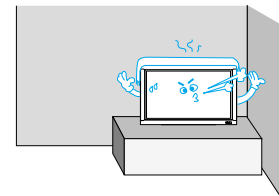
For proper ventilation, separate the product from the wall, which may prevent ventilation, and keep distance more than 10cm.

Due to the increase of temperature inside the Monitor, it may cause fire.



Do not place the monitor at the place where ventilation is not ensured.

Due to the increase of temperature inside the Monitor, it may cause fire.



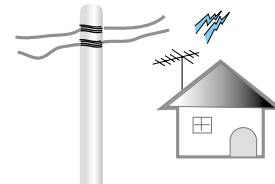
If you wish to install this product on the wall or ceiling, refer to the professional.

Failure to do so may cause damage to product and injury to human.



When using an outside antenna system, do not install it in the vicinity of overhead power lines.

When antenna touches such power lines, it may cause electric shock.



During Use

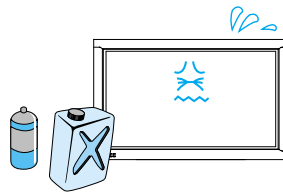


CAUTION

You can be injured or this product or any other your property can be damaged if you don't follow instructions.

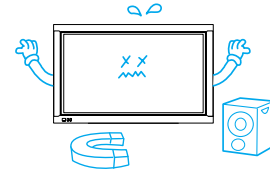
Do not wipe the monitor using a cloth damped with chemicals (benzene, thinner, etc.).

Monitor appearance may be marred.
(Unplug the power plug and wipe with soft cloth.)



Do not place the monitor near magnetic, speakers, or telephones.

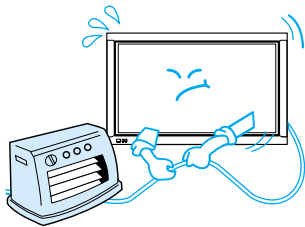
It can cause the color tone of the screen.



PREP
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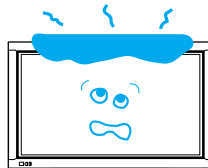
Do not place heavy objects or heat sources on the power cord.

It may damage the power cord, causing fire or electric shock.



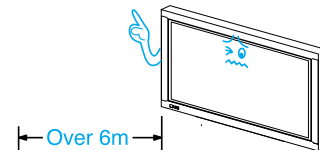
Do not place any object or cover on the monitor.

In an event of improper ventilation, temperature inside the monitor will rise up, causing fire.



When watching the TV, the distance between Monitor screen and your eye should be as 5~7 times as the diagonal distance of the Monitor.

Watching the TV for a long time may hurt your eye sight.



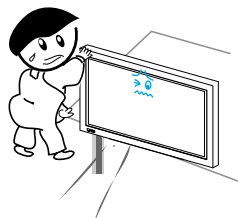
When cleaning of the inside of the monitor is required, consult the qualified service personnel.

When the monitor is not cleaned for a long period of time, dust in it may cause fire or malfunction.



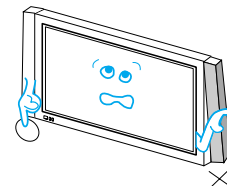
When the monitor is placed on a cart or table, the front side of the Monitor should not project outward.

Unbalance may cause the monitor to drop, resulting in personal injury or equipment malfunction.



Do not grip speakers when moving the monitor attached with speakers.

When moving them while gripping speakers, speakers may be separated from the monitor due to the weight of the monitor, causing personal injury.



Checking Accessories



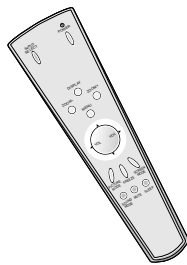
Note

Check to be sure the following items are packed with your Monitor.

Supplied Accessories

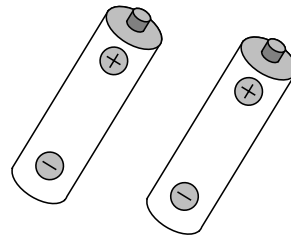
Remote Control

1EA



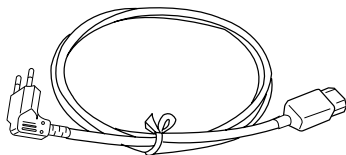
Batteries (AAA)

2EA



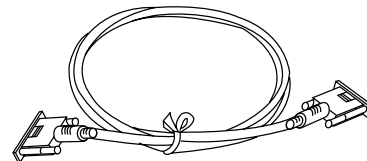
AC Cable

1EA



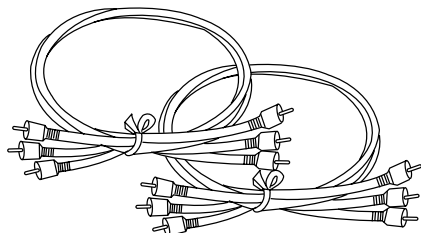
PC(15pin) Cable

1EA



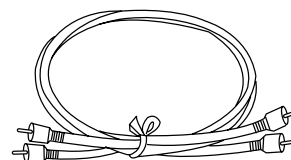
A/V Cable

2EA



Audio Cable

1EA



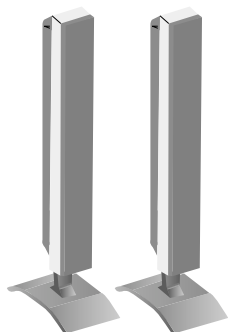


Note

The following items are optional accessories.
Refer the purchasing of the optional accessories to the DaeWoo Electronics Local Dealer or the dealer from whom you purchased. (45 page)

Supplied Accessories

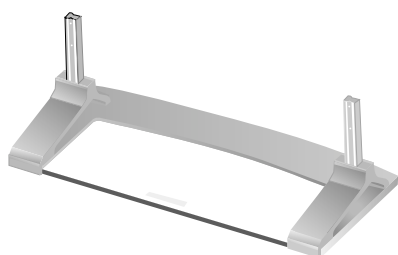
Speakers



DSP-SP20/SP21/SP22

- Speaker Main Unit
Dimension : 100(W) x 628(H) x 83(D)mm
- Including Speaker Stand
Dimension : 170(W) x 729(H) x 194(D)mm
- Audio Amplifier : 8W + 8W
- Impedance : 8Ω
- Weight : 7.5kg

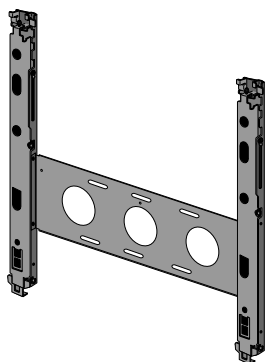
Table Top Stand



DSP-ST20/ST21/ST22

- Dimension : 667(W) x 238(H) x 320(D)mm
- Weight : 7kg

Wall Mounting Unit



DSP-HG10

- Variable Angles : 0° , 10° , 15° , 20°
Speaker Main Unit
- Dimension : 601(W) x 592(H) x 35(D) mm
Including Stand
- Weight : 4.5 Kg



목 차

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- 12 • Panel Controls
- 13 • Remote control

BASICS

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- 15 • Connecting the Display to Speaker

CONNECTION

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- 18 • Watching Cable Broadcasts
- 20 • Watching Satellite Broadcasts
- 22 • Watching a DVD Image
- 24 • Watching a VCR Image
- 26 • Watching a Camcorder/Game Console Image
- 28 • Connecting a Computer

APPICATION

- 31 • Selecting Auto Screen Mode
- 34 • Adjusting Screen Size
- 36 • Adjusting Screen Position and Size
- 38 • Enlarging Screen Size
- 40 • Watching a Still Image
- 41 • Adjusting Auto Sound Mode
- 44 • Selecting INPUT SIGNAL
- 46 • Checking the Current Input Signal
- 47 • Selecting MENU Background Screen and Languages
- 49 • Setting Sleep Timer

MISC.

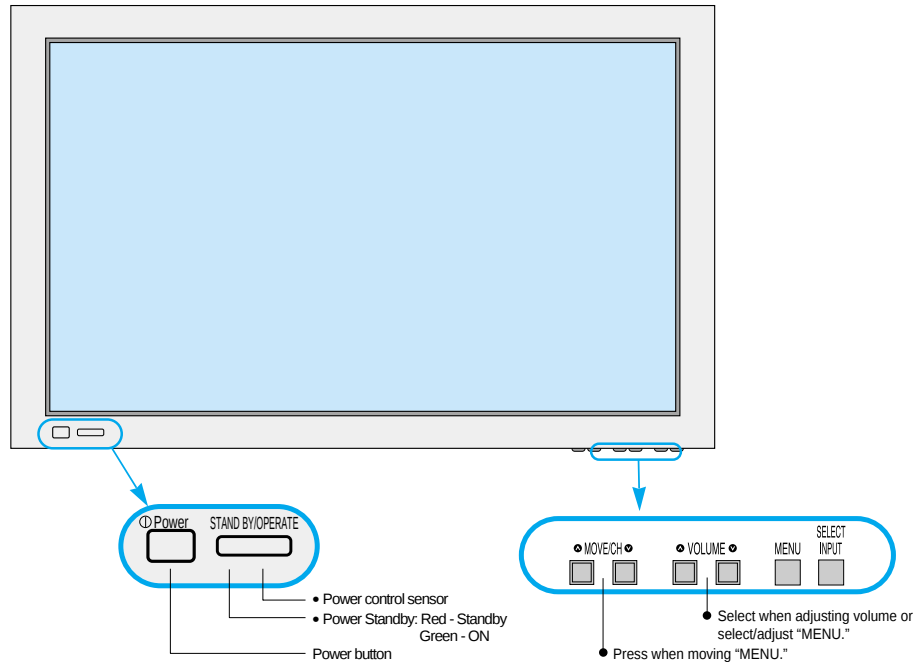
- 50 • Before Requesting Service
- 51 • Specificatings
- 52 • 제품 보증서

Panel Controls

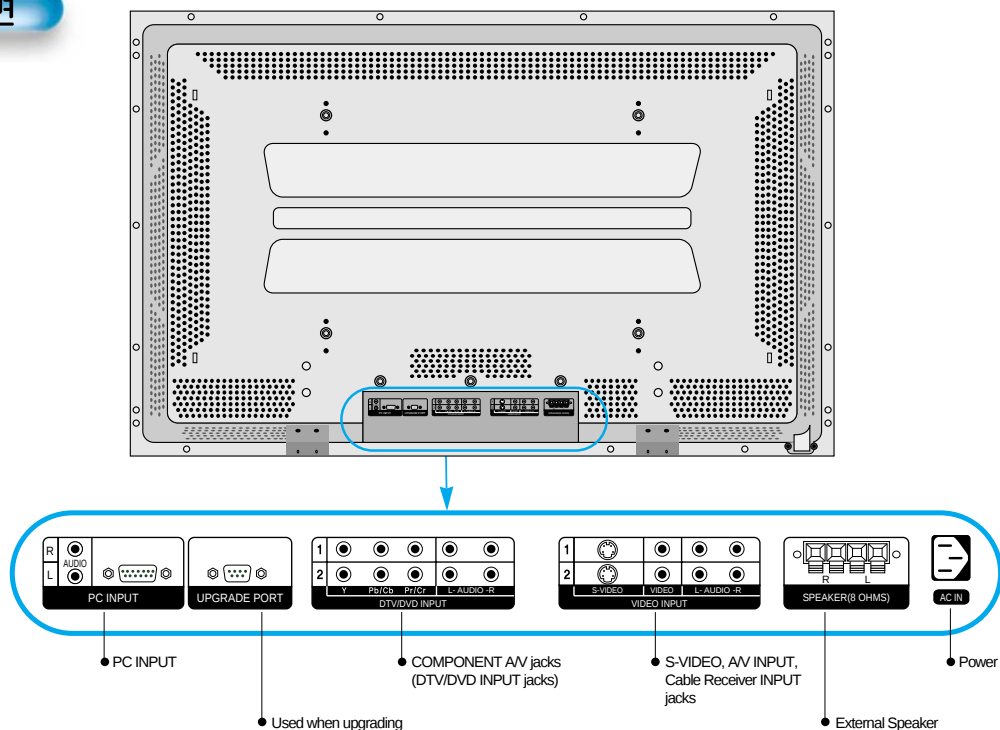
Front Panel, Back Panel, Remote Control

* Parts having same names in Plasma Display and Remote Control would function in exactly the same way.

Front



뒷면



Remote Control



Note

- Use two "AAA" batteries.
- Be sure to use replacement batteries of the same type as the original ones.
- The life of a battery depends on how much it has been used.

* The number in () indicates the page in which the function of each button is explained in detail.

PREP
AO
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Input Select button 44

Used to select a desired input.
Every press of the button cycles through the five different modes: Video 1 → Video 2 → Computer → Component 1 → Component 2

ZOOM button 38

Used to zoom the screen. To enlarge, press (+) button, and to return to the previous condition, press (-) button.
(ZOOM Mode: Zoom 0~10)

Menu Select button 32

Select Menu by pressing ▲ (Up), ▼ (Down), ◀ (Left), ▶ (Right) buttons.

Screen Select button 31

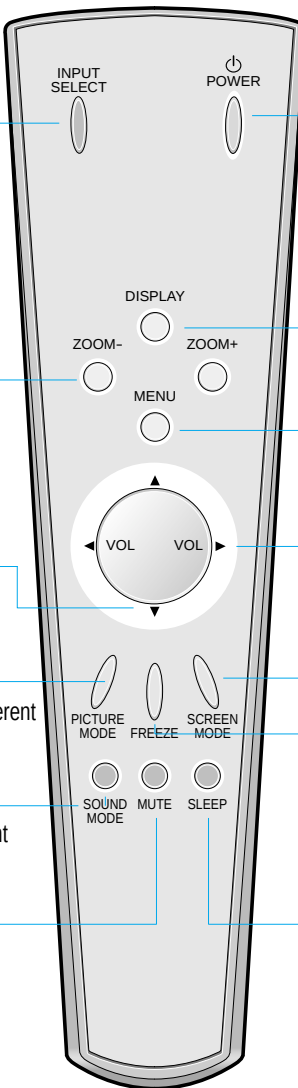
Every press of the button cycles through the four different modes: Normal → Cinema → Dynamic → User.

Sound Mode button 41

Every press of the button cycles through the five different modes: Normal → Movie → Music → News → User.

Mute button

Mutes sound.



Power button 16

Pressing the Power button of the Monitor allows the Display to be standby. (Red light is shown in the Remote Control Sensor.) At this time, if you press the Power button of the Remote Control, the Display is turned ON (Green light in the Sensor).

Check 46

Indicates the current state and resolution.

Menu button 42

Use this button to display a desired menu.

Volume button 32

Adjusts the volume.

Aspect Ratio 34

Adjusts the size of the screen (normal, 16:8, etc.)

Still 40

Used to view a still picture during watching moving images. (Sound can be heard.)

Sleep Timer 49

Each time you press this button, a different input mode appears.

The sequence is as follows:

15 Min. → 30 Min. → 60 Min. → 90 Min. → 120 Min. → OFF
After the time is selected, it automatically becomes stand-by state.

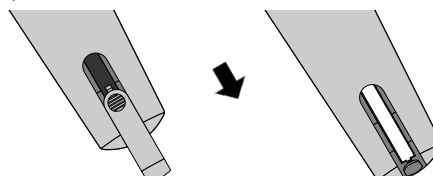
■ When Using Remote Control:

- Be sure not to allow the Remote Control to drop or to become wet.
- Keep it away from hot or moist locations.



■ Installing the Batteries in your Remote Control:

- PUTTING BATTERIES IN THE REMOTE CONTROL
- To remove the cover, slide it outwards while pressing it down.
- Place two batteries in the remote control by properly orienting them, then close the cover.

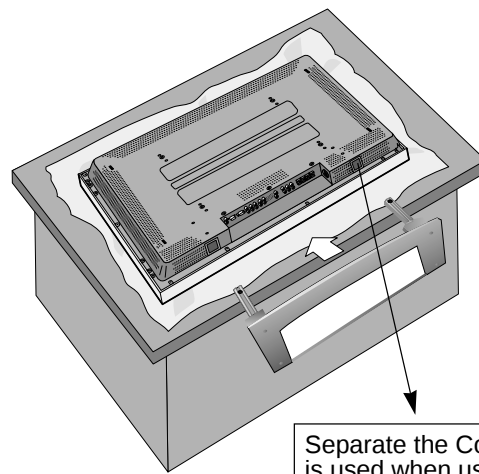
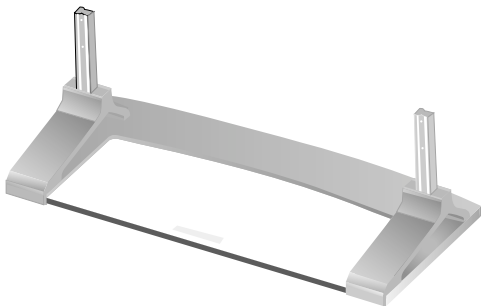


Installation Instructions

When Using the Stand

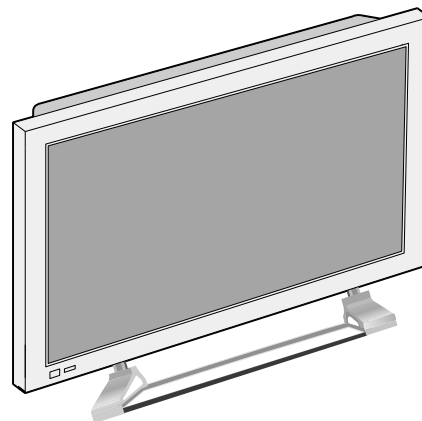
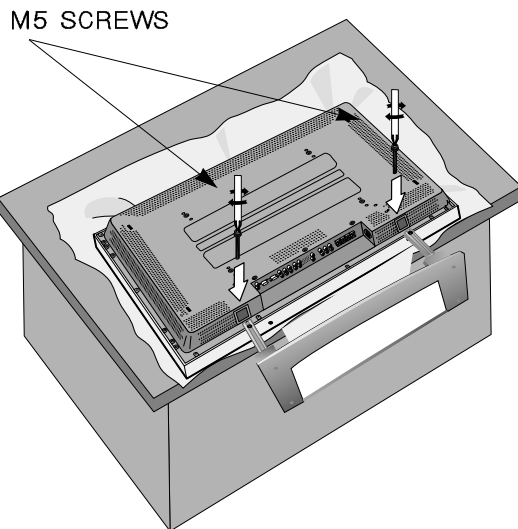
- * When installing PDP Main Unit, be sure to do it by more than 2 professionals.
- * For detailed installation, refer to the User's Manual, "STAND (DSP-ST20)."

- 1 Take out STAND from package.
- 2 Smoothly fit the Stand to Plasma Display



Separate the Cover Stand. (It is used when using for wall mounting, so store it.)

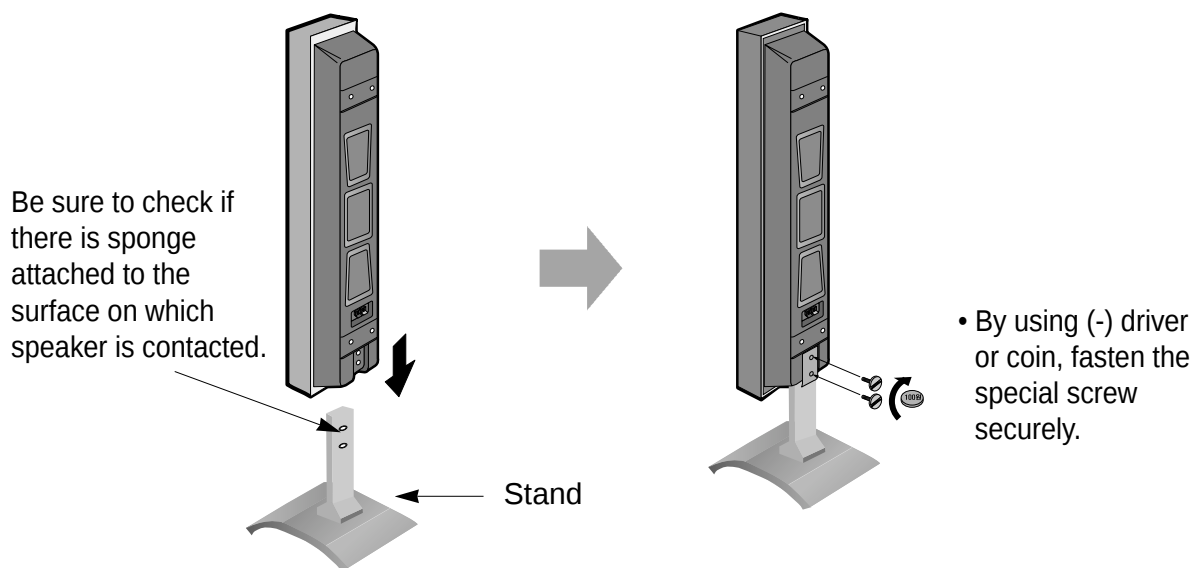
- 3 Engage the assembled stand with 4 screws (M5) enclosed.
- 4 Erect the Display



(Assembled Picture)

CONNECTING THE DISPLAY TO SPEAKER

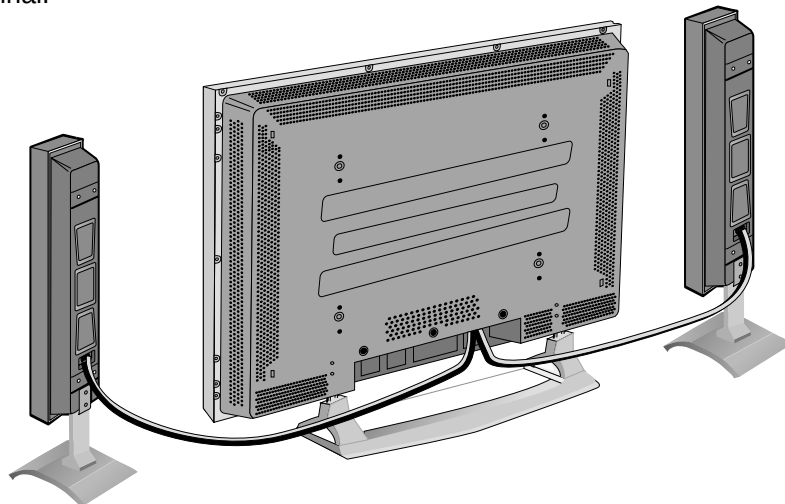
1 Connecting Speaker to Stand



B
A
S
I
C
S

2 Connecting Speaker Cable

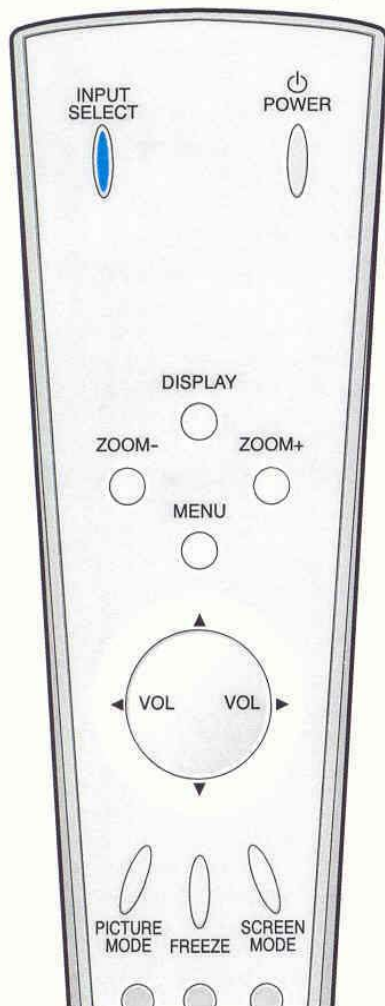
- Connect one set (two cables) of the cable to the terminals on the back of the speaker in the way that red cable is for (+) terminal and black cable for (-) terminal.



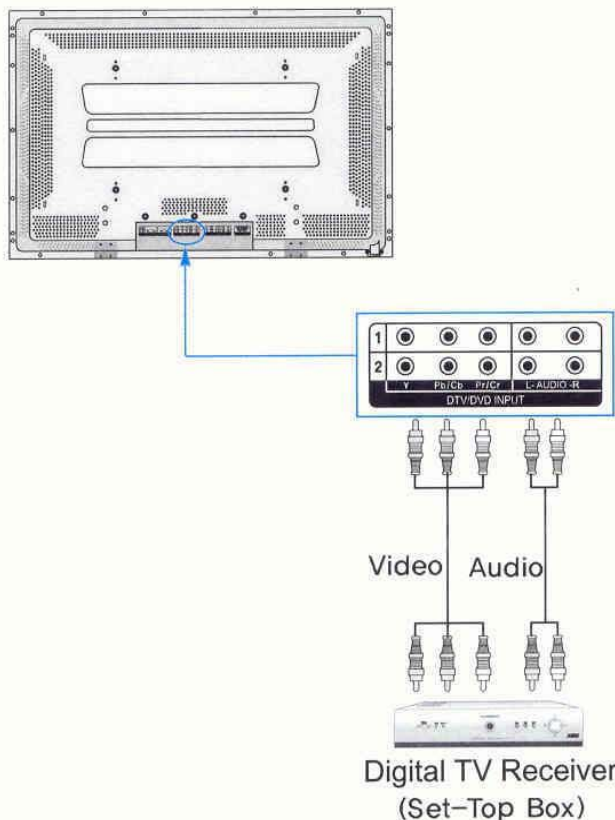
CONNECTING THE DISPLAY TO DIGITAL BROADCASTING (SET-TOP BOX)

Watching Digital Broadcasts

- To watch digital broadcasts:
 - Purchase separate digital set-top box for digital broadcasts or,
 - Connect to digital set-top box for digital broadcasts that re-transmit.



1 Connect PDP to Digital Broadcasting Receiver.



2 Press Power buttons

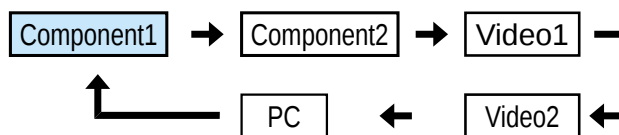
- Press Power buttons of PDP and Receiver.

3 Input Select

INPUT
SELECT



- Select [Component 1 or Component 2] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows: Component 1 → Component 2 → Video 1 → Video 2 → Computer.



4 Select a desired channel and

- Select a desired channel and function by using the Remote Control of Digital Broadcasting Receiver.



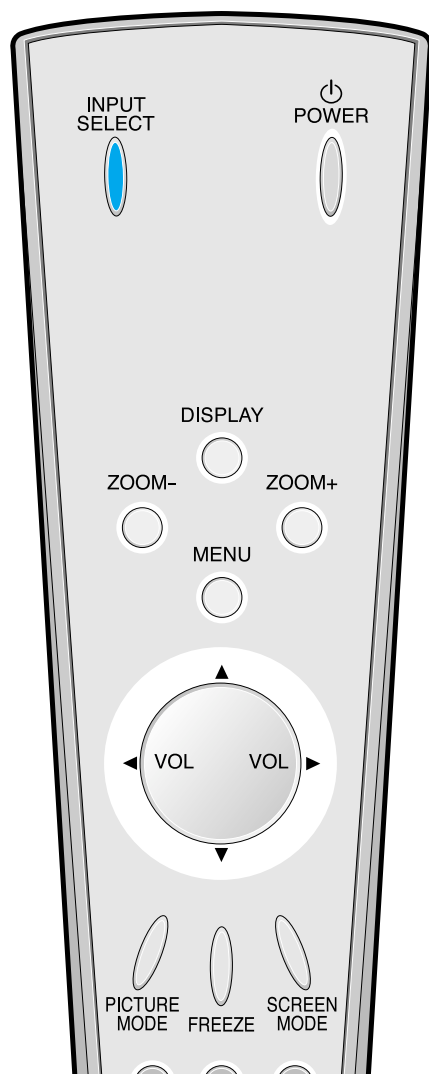
NOTES:

- 1) You can select INPUT SELECT while you are using OSD(Menu).
Sequence: [Menu] → [Input] → [Component 1 or 2 (DTV/DVD)]
- 2) Digital TV signals available: 1080i(60Hz), 720p(60Hz), 480p(60Hz)
- 3) Antenna Connection:
Apartment : Check if common antenna receives digital broadcasts.
Common Private Houses: Set the indoor/outdoor UHF antenna to the direction of the digital broadcasting transmitting company.
- 4) For detailed connection method is referred to the Owner's Manual of Digital π Receiver.
- 5) Component? : Signal with which brightness and color signals are separated, producing sharp screen.
- 6) If the Digital Broadcasting Receiver has PC Output terminal (D-sub15pin), connect to 'PC INPUT' in the back panel of PDP.
When watching TV by PC Input, some signals may be seen at the top and bottom area of the screen. In this case, select [Menu] → [Screen] → [Vertical Size] to adjust.

Watching Cable Broadcasts

Watching Cable Broadcasts

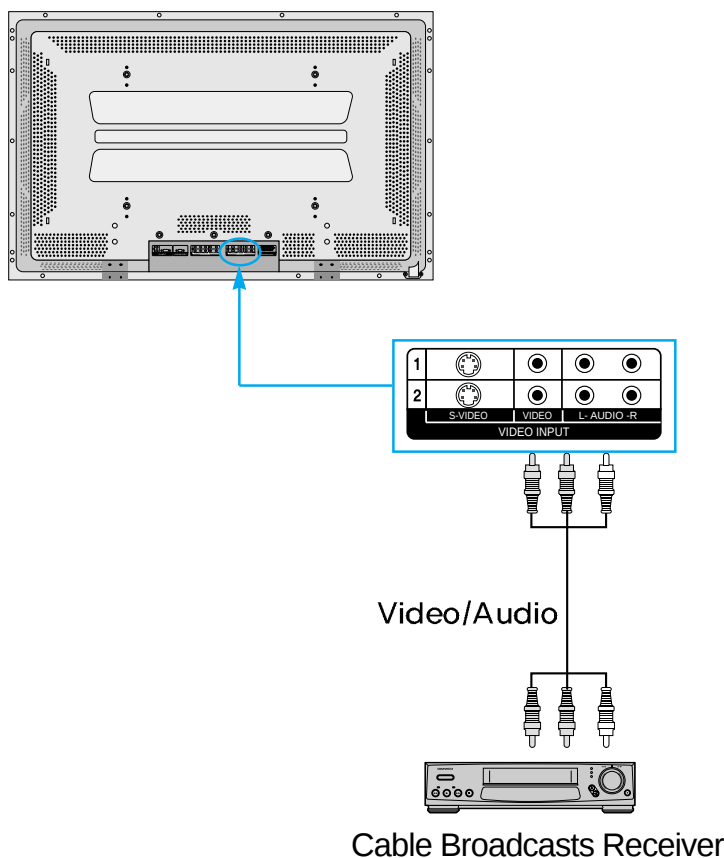
- To watch cable broadcasts, subscribe to your local Cable TV Broadcasting, then connect the digital set-top box for cable TV to PDP as shown below.



1

Connect Digital Broadcasting Receiver to PDP.

- Prepare the audio/video connecting cable.
- Connect the receiver(Output) to PDP(Video Input) as shown below.
- When connecting to external AV source, match the colors.



2

Press Power buttons

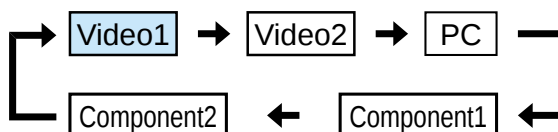
- Turn the PDP and Receiver ON.

3 Input Select

INPUT
SELECT



- Select [Video 1 or Video 2] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows: Video 1 → Video 2 → Computer → Component 1 → Component 2.



4 Select a desired channel and

- Select a desired channel and function by using the Remote Control of Cable Broadcasting Receiver.



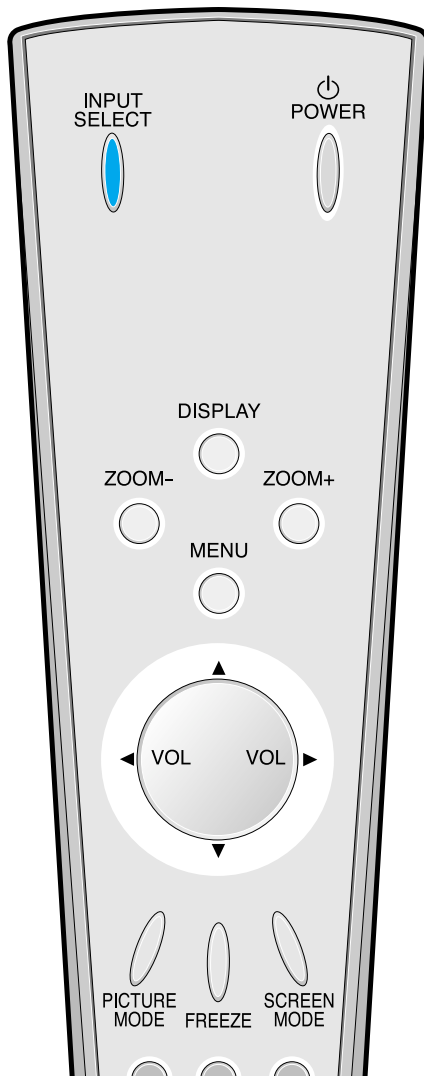
NOTES:

- * If your local cable company re-transmits digital broadcasts, you can watch normal broadcasts and digital broadcasts simultaneously. For detailed information, refer to your local satellite company.

Watching Satellite Broadcasts

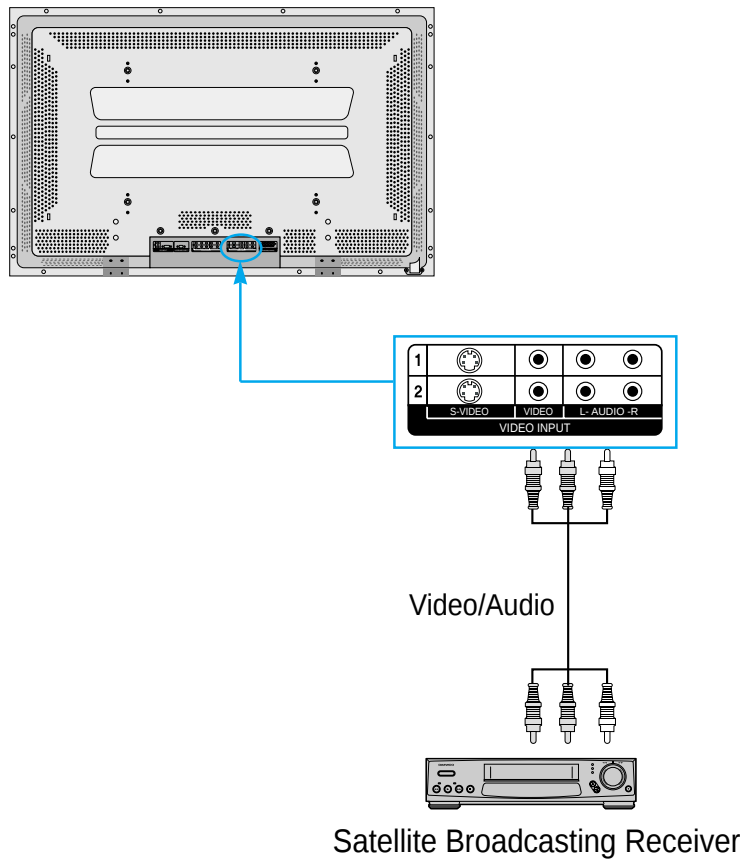
Watching Satellite Broadcasts

- To watch satellite broadcasting, subscribe to Digital Satellite Broadcasting, then connect the digital set-top box for satellite broadcasting to PDP as shown below.



1 Connect PDP to Satellite Broadcasting Receiver.

- Prepare the audio/video connecting cable.
- Connect the receiver(Output) to PDP(Video Input) as shown below.
- When connecting to external AV source,



2 Press Power buttons

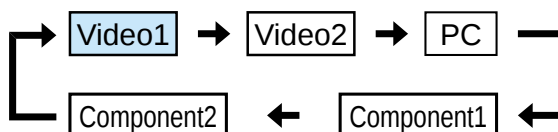
- Turn the PDP and Receiver ON.

3 Input Select

INPUT
SELECT



- Select [Video 1 or Video 2] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows: Video 1 → Video 2 → Computer → Component 1 → Component 2.



4 Select a desired channel and

- Select a desired channel and function by using the Remote Control of Satellite Broadcasting Receiver.



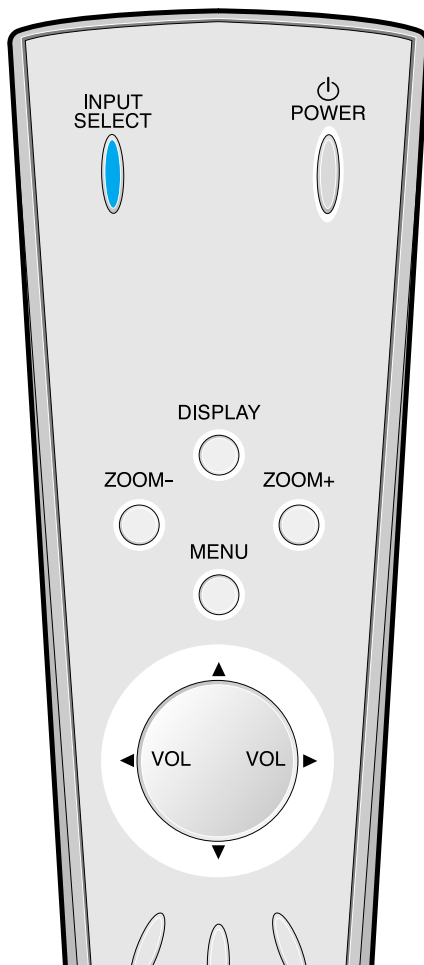
NOTES:

- * Picture quality of the Digital Satellite broadcasts is SD grade, and its aspect ratio is 16:9.

Watching a DVD Image

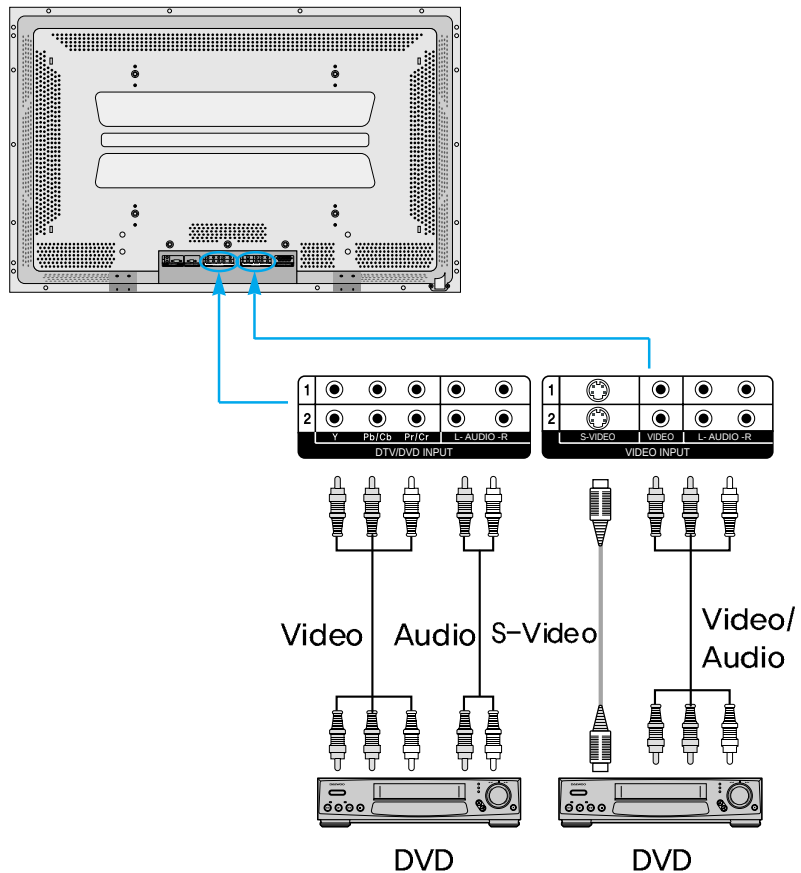
Watching a DVD Image

- Component Input is set to 480i, 480p mode.
- Connect the cable from the DVD Video Out (Y, Pb/Cb, Pr/Cr) to the Component Input of the back panel of PDP, and connect the cable from DVD Audio Left, Right) to the Audio Input of the back panel of PDP.



1 Connect a DVD Player to PDP.

- Prepare the AV cable.
- Connect the DVD(Output) to PDP(DTV/DVD Input) as shown below.
- When connecting to external AV source, match the colors.



2 Press the Power buttons

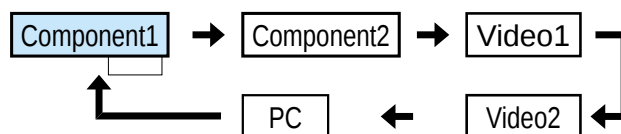
- Turn the PDP and DVD ON.

3 Input Select

INPUT
SELECT



- Select [Component 1 or Component 2] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows: Component 1 → Component 2 → Video 1 → Video 2 → Computer.



4 Select a desired title and function

- Select a desired title and function by using the Remote Control of DVD.

CT
OI
NN
EC



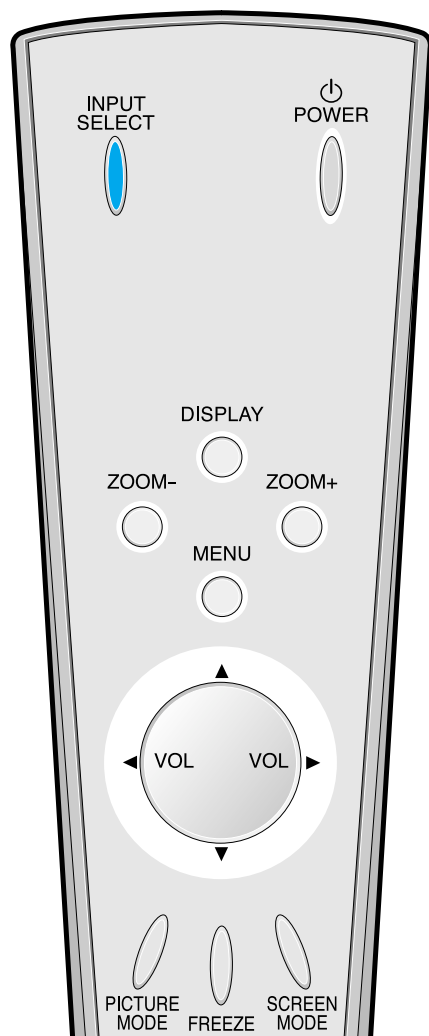
NOTES:

- 1) Y/Cb/Cr, symbol for DVD Player's Output Terminal can be written in Y/B-Y/R-Y, Y/Cb/Cr, Y/Pb/Pr depending on the kinds of DVD device.
- 2) The way of connecting DVD to PDP is as follows:
Y ↔ Y Cb ↔ Pb, B-Y, Cr ↔ Pr, R-Y
- 3) DVD output can be made by Video, S-Video, Component Video, and depending on DVD devices, there are various output modes, so be sure to check when purchasing.
- 4) When connecting S-Video and normal Video simultaneously, S-Video will display on the screen.

Watching a VCR Image

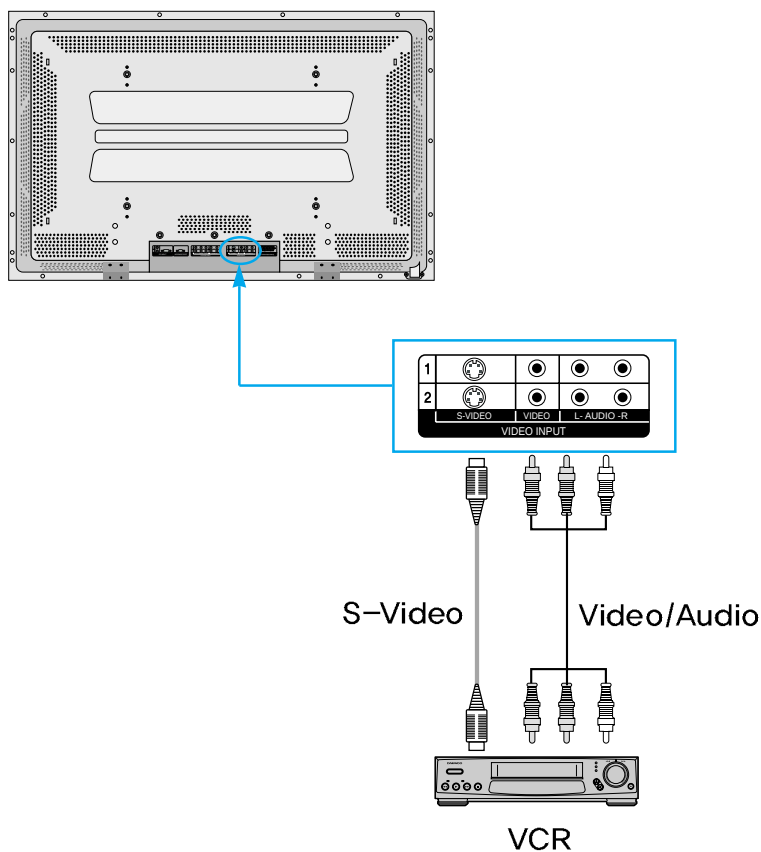
Watching a VCR Image

- Video can use either normal video terminal or S-video terminal.



1 Connect a VCR to PDP.

- Prepare the AV cable.
- Connect the Video(Output) to PDP(Video Input) as shown below.



2 Press Power buttons

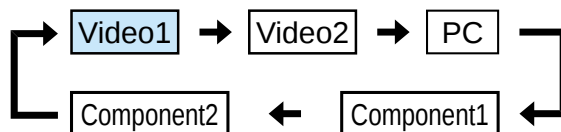
- Turn the PDP and VCR ON.

3 Input Select

INPUT
SELECT



- Select [Video 1 or Video 2] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows: Video 1 → Video 2 → Computer → Component 1 → Component 2.



4 Select a desired function

- Select a desired title and function by using the Remote Control of VCR.



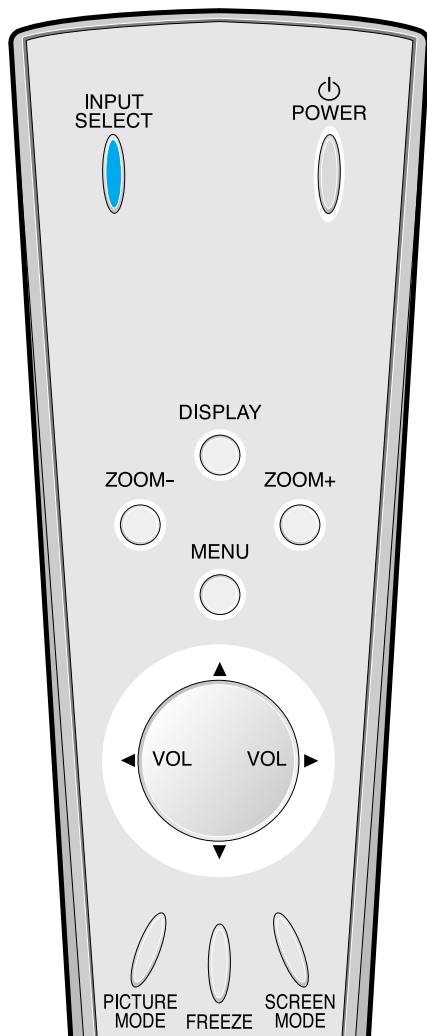
NOTES:

- 1) When connecting Video, S-Video terminal provides better image than normal Video terminal.
- 2) When connecting to normal video terminal, connect 3 color AV cable (video, left audio, right audio) to PDP; for S-Video terminal, connect Audio terminal (Left, Right) in the same way, and connect Video terminal by S-Video cable (sold separately).
- 3) When connecting normal Video terminal and S-Video simultaneously, S-Video terminal is selected, and this can be checked by [Check] button of the Remote Control.

Watching a Camcorder/Game Console Image

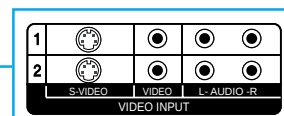
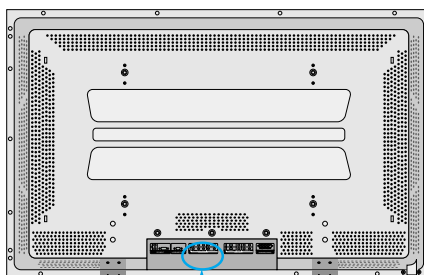
Watching a Camcorder/Game Console Image

- Enjoy images recorded by camcorder or connect the game console to PDP.

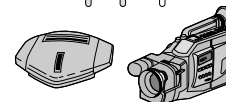


1 Connect a Camcorder/Game Console to PDP.

- Prepare the AV cable.
- Connect the Video(Output) to PDP(Video Input) as shown below.
- When connecting to external AV source, match the colors.



Video/Audio



Game Console/Camcorder

2 Press Power buttons

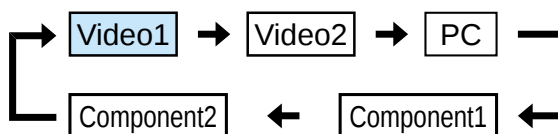
- Turn the PDP and Camcorder/Game Console ON.

3 Input Select

INPUT
SELECT



- Select [Video 1 or Video 2] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows:
Video 1 → Video 2 → Computer →
Component 1 → Component 2.



4 Select a desired function

- Select a desired title and function by using the Remote Control of VCR.



NOTES:

- 1) When connecting Video, S-Video terminal provides better image than normal Video terminal.
- 2) When connecting to normal video terminal, connect 3 color AV cable (video, left audio, right audio) to PDP; for S-Video terminal, connect Audio terminal (Left, Right) in the same way, and connect Video terminal by S-Video cable(sold separately).

Connecting a Computer

Connecting a Computer

- DAEWOO PLAZMA supports resolutions of VGA, SVGA, XGA, SXGA, UXGA.
- Before connecting a PC to PDP, be sure to adjust the resolution of PC.
- This product is not supported by Plug and Play, so select Standard Monitor when setting computer monitor.

1

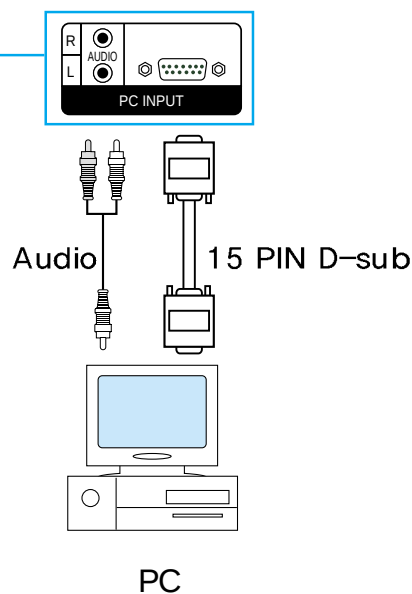
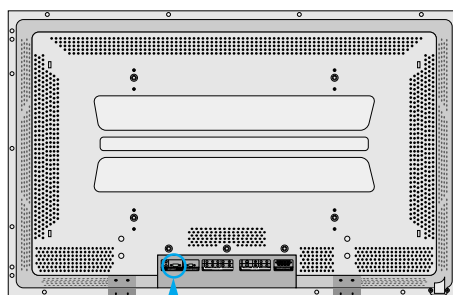
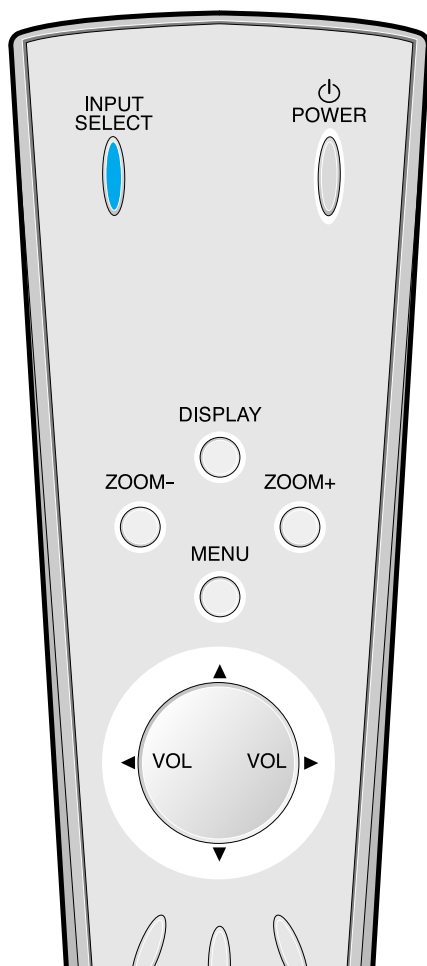
Before connecting to PDP, set the resolution of the computer.

- Go to SETUP-CONTROL PANEL-DISPLAY PROPERTIES in Window Screen.
- Choose the SETTINGS tab in the DISPLAY Menu.
- In the SETTINGS Menu, select 640x480 or 800x600.

2

Connect a Computer to PDP.

- Prepare the computer cable (D-sub 15pin) and PC audio cable.
- Connect the Computer(Output) to PDP(Input) as shown below
Turn the PDP and Camcorder/Game Console ON.



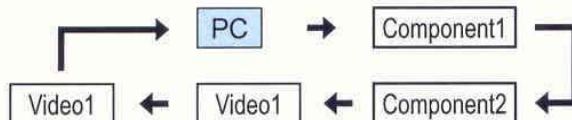
3 Press the Power button.

4 Input Select

INPUT
SELECT



- Select [Computer] by pressing INPUT SELECT button of Remote Control or PDP unit.
- Each time you press INPUT SELECT button, a different input mode appears. The sequence is as follows: Computer → Component 1 → Component 2 → Video 1 → Video 2.



5 Enjoy dynamic ultra screen monitor by using computer keyboard or mouse.



NOTES:

- 1) The resolution of the computer monitor is best at 640 x 480 (VGA).
- 2) If there is [Vertical Frequency] setting menu in the [Display] Menu of computer, adjust frequency to 60Hz.
- 3) If computer resolution is too high, it may be hard to read letters. Select a suitable resolution.

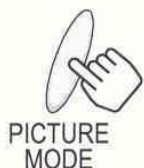
CT
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E C

Kinds of PC Input Resolution corresponding to PDP

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)	Remark
640x350	31.469	70.1	IBM
	37.861	85.1	VESA
640x400	24.823	56.4	NEC
	30.48	60.0	PGA
	31.469	70.1	IBM (DOS)
	37.861	85.1	VESA
	31.469	59.9	DOS
640x480	35	66.7	Macintosh
	37.861	72.8	VESA
	37.5	75.0	VESA
	39.375	75.0	IBM
	43.269	85.0	VESA
	31.47	60.1	VGA
720x400	31.469	70.1	IBM
	37.927	85.1	VESA
	31.54	60.0	480P
720x480	31.54	60.0	480P
720x576	15.63	25.0	PAL
800x600	35.156	56.3	VES
	35.16	57.2	VESA
	37.879	60.3	VESA
	48.077	72.2	VESA
	46.875	75.0	VESA
	53.674	85.1	VESA
	49.726	74.0	Macintosh
832x624	48.193(48.077)	59.3(59.8)	Macintosh (OAK)
1024x768	48.363	60.0	VESA
	53.95	66.1	XGA
	56.476	70.1	HP & VESA
	60.241	74.9(74.6)	Macintosh
	60.023	75.0	VESA
	68.677	85.0	VESA
	80.66	100.0	Fujitsu
	70.84	84.0	SUN
1152x864	54	60.0	VAX
	63.851	70.0	VESA
	67.5	75.0	VESA
	77.094	85.0	VESA
1152x900	61.796	66.0	SUN
	71.713	76.0	SUN
1280x720	45	60.0	720P
1280x960	60	60.0	VESA
	75	75.0	VESA
	85.938	85.0	VESA
1280x1024	46.433	43.4	VESA
	63.981	60.0	VESA
	70.66	66.5	VAX
	74.88	70.0	NEC
	78.125	72.0	HP & HITA
	78.855	74.0	Sony & NEC
	79.976	75.0	VESA
	81.13	76.1	SUN
	91.416	85.0	VESA
1600x1200	62.5	48.0	VESA
	75	60.0	VESA
	81.25	65.0	VESA
	87.5	70.0	VESA
	93.75	75.0	VESA
	100	80.0	VESA

Selecting Auto Screen Mode

1 Selecting Screen Mode



Each press of the button will select one of four screen modes.



• Each time you press the button, a different screen mode appears. The sequences used are as follows:



- * Normal : For a highly defined image in a normally bright room
- * Dynamic: For a clear-cut image emphasizing high contrast for sports viewing
- * Cinema: For a movie
- * User: Allows the user to customize settings as desired.

3 Menu on the screen will disappear.

- After selecting a desired screen mode, the menu on the screen will disappear.
- Normal, Dynamic, and Cinema Modes are factory preset values.
If you want to customize screen modes, refer to the following page.

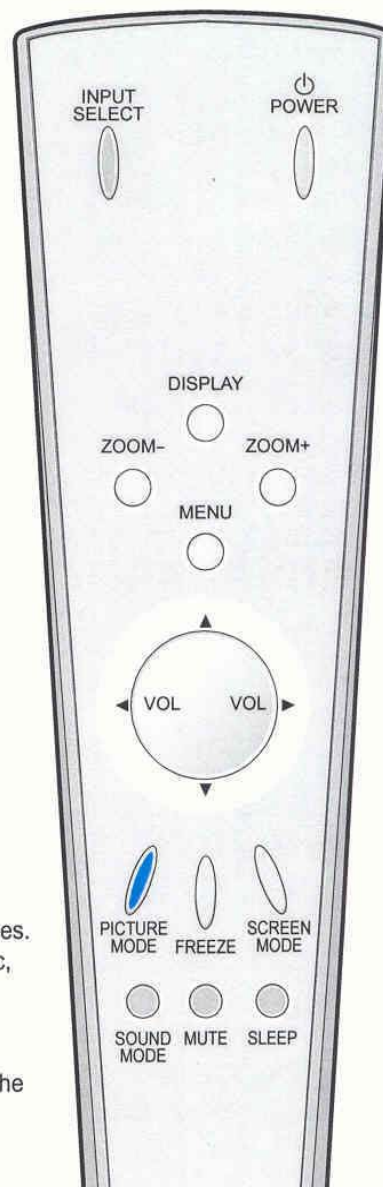


NOTES:

- * Normal, Dynamic, and Cinema Modes are factory preset values.
- * When adjusting sub-menus while you are in Normal, Dynamic, and Cinema Modes, the Screen Mode will be automatically converted to User Mode, and the adjustments will be made.
- * Pressing of the [INITIALIZATION] button in the [FUNCTION] Menu will allow for the Brightness, Contrast, etc. to return to the factory preset values.
- * SHARP Menu adjusts picture sharpness.
- * Adjusting Color Temperature makes the mood warm or cold.

Selecting Auto Screen Mode

- Select image modes that are automatically set depending on the kinds of pictures, and enjoy them.

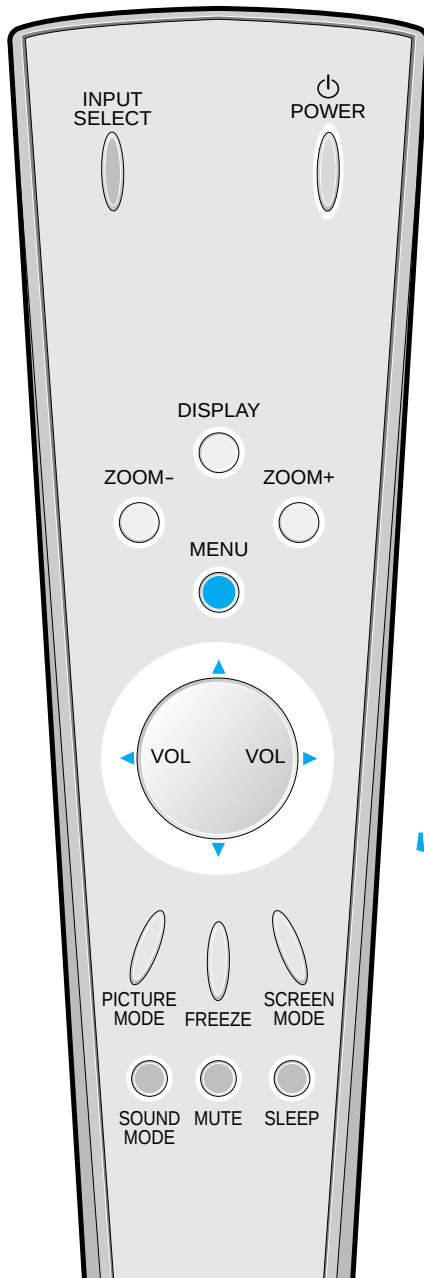


AT
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A

Customizing Picture

Customizing Picture

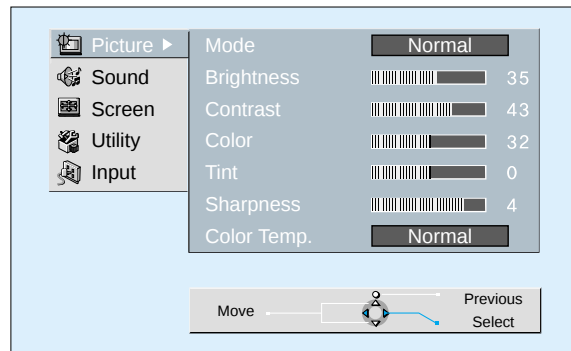
- You can adjust color tone and brightness to your preference as desired.



1 Press the MENU button.

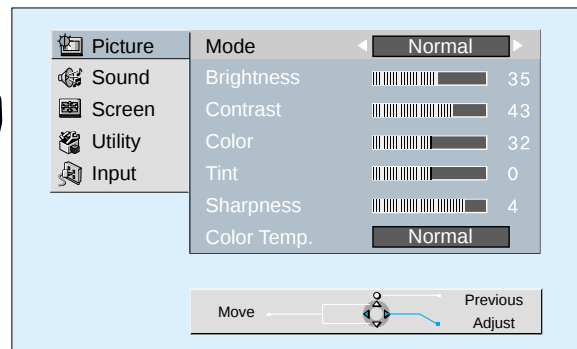
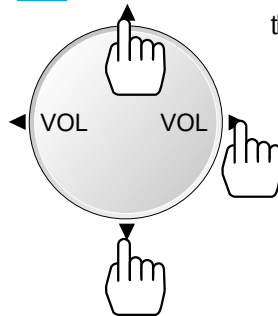
- The MENU shown below will display on the screen.

MENU



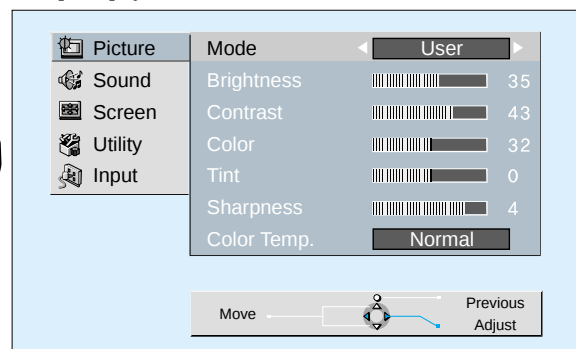
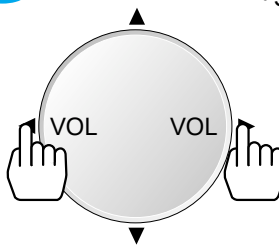
2 Press the ▲/▼ button.

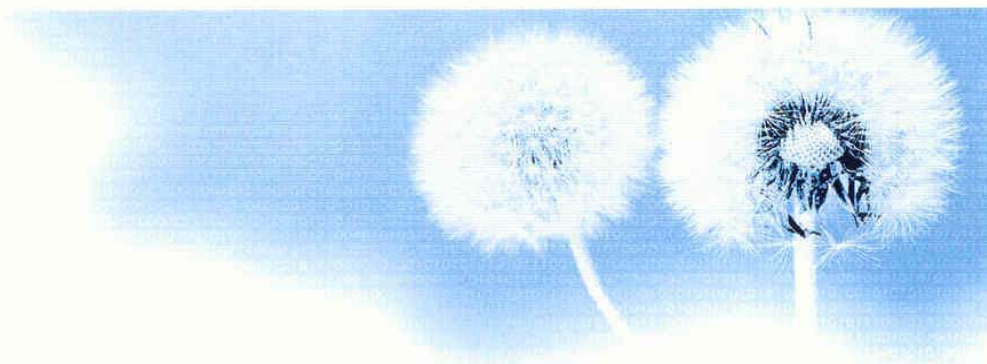
- After selecting [Picture] by the ▲/▼ button, pressing of the ► button will display as follows.



3 Select the Custom mode.

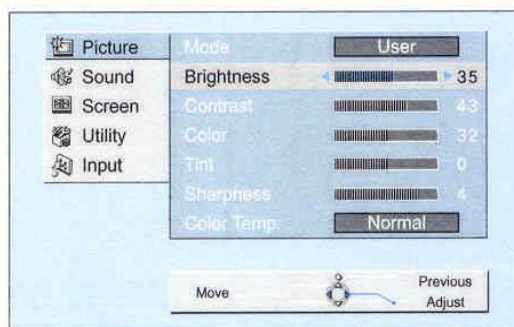
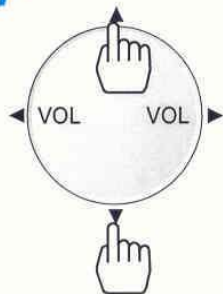
- Select [User] by the ◀/▶ button.





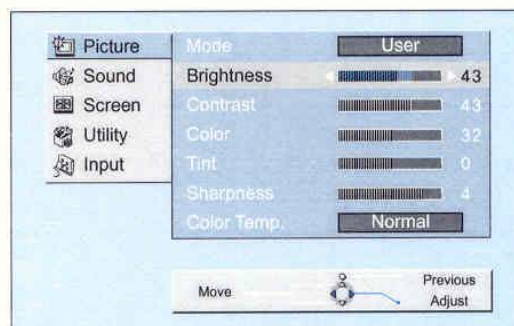
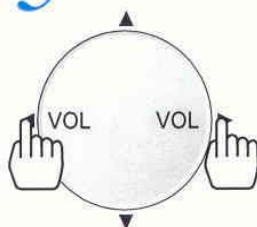
4 Select User Mode Adjustments

- While you are in [Picture Mode – User], press the ◀/▶ button to select a specific adjustment item.



5

- Press the ◀/▶ button to adjust the picture to your preference.



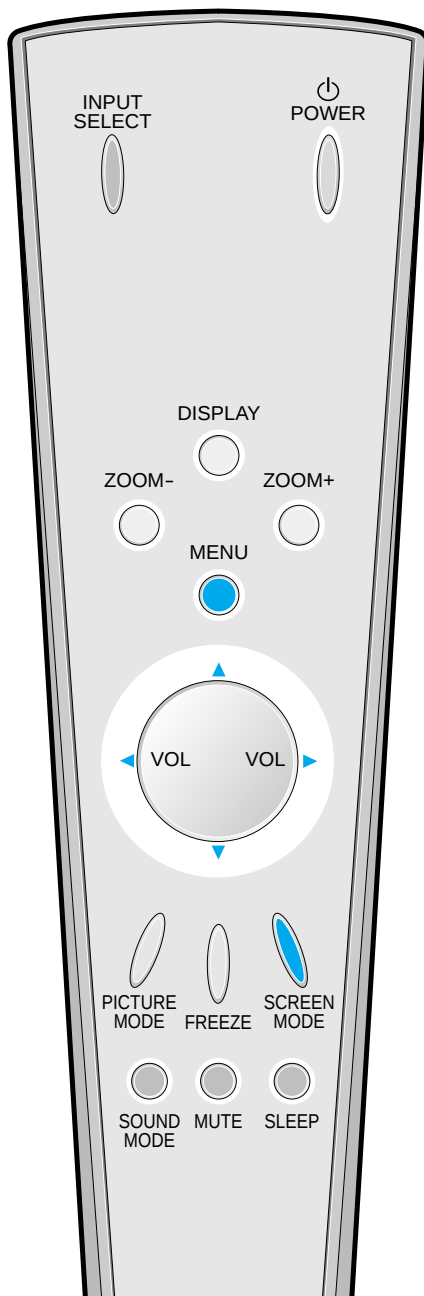
NOTES:

- * While you are in the Computer INPUT mode, you can only adjust brightness, contrast, and color temperature.

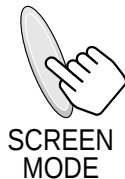
Adjusting Screen Size

Adjusting Screen Size

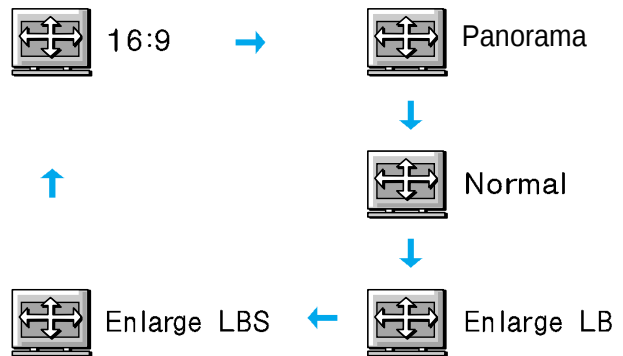
- You can adjust screen size or aspect ratio as desired.



1 Press the SCALING button.



- Each time you press the SCALING button on the Remote Control, a different picture mode appears. The sequences used are as follows:
- The MENU shown below will display on the screen.



NOTES:

- When the INPUT SIGNAL is [DTV in COMPONENT 1 or COMPONENT 2], aspect ratios of 16:9 and 4:3(Normal) will only be applied.
- Digital broadcasting (720p, 1080i) is fixed at the aspect ratio of 16:9.
- Displaying a picture in a normal mode(4:3) for extended periods of time may cause phosphor burn-in.
- 16:9 : Theater-like 16:9 picture formats

Panorama : 16:9 picture formats giving panorama effect

Normal : Displays pictures of normal size (i.e., a 4:3 aspect ratio)

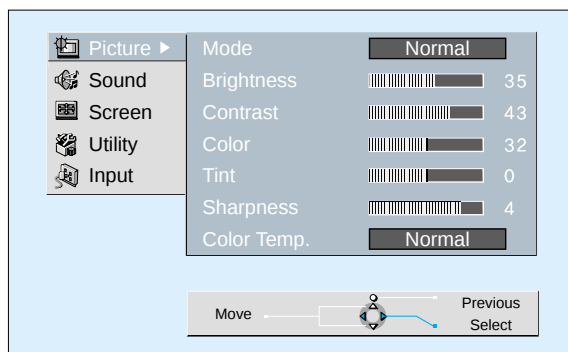
Zoom 2 : Reduces the height of horizontally extended pictures with caption.

Zoom 1 : Enlarges horizontally extended pictures equally in all directions to maintain the aspect ratio constant.

1 Press the MENU button.

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

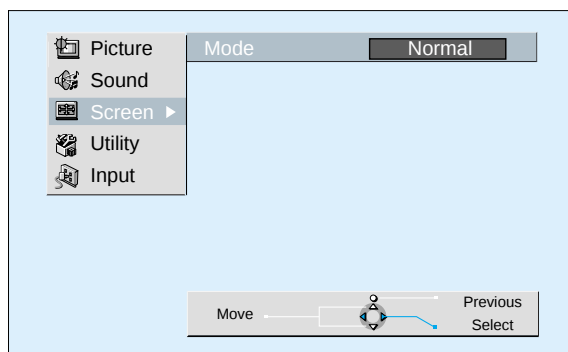
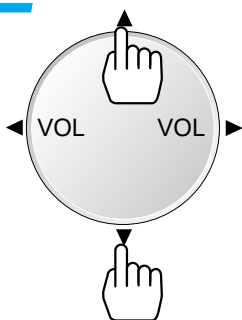
MENU



Adjusting from
MENU screen

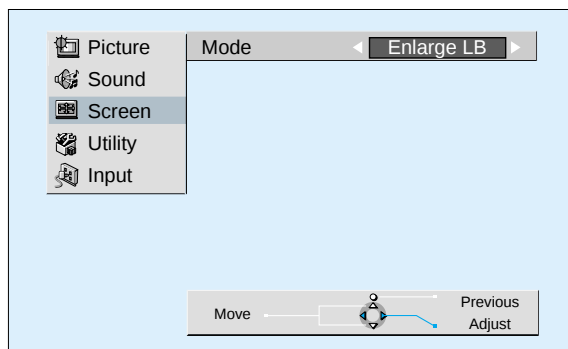
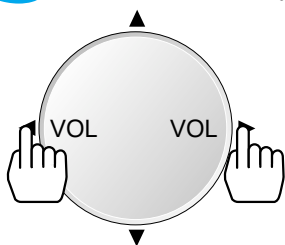
2 Select "Screen".

- Press the Channel ▲/▼ button to select "Screen."



3 Select the Screen mode.

- Press the Volume ◀/▶ button to select "Scaling."



Adjusting Screen Position and Size

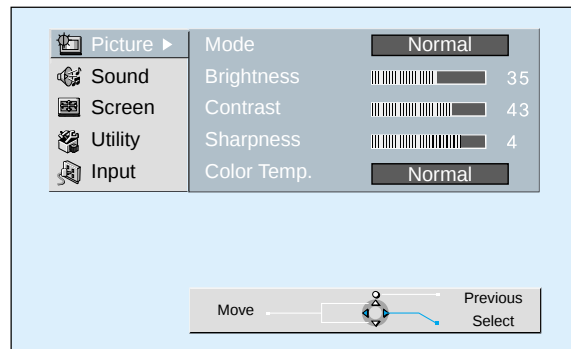
Adjusting Screen Position and Size

- You can adjust the screen position and size as desired.
- This function is only used when adjusting the screen position on the PDP monitor by using computer input signal.

1 Press the MENU button.

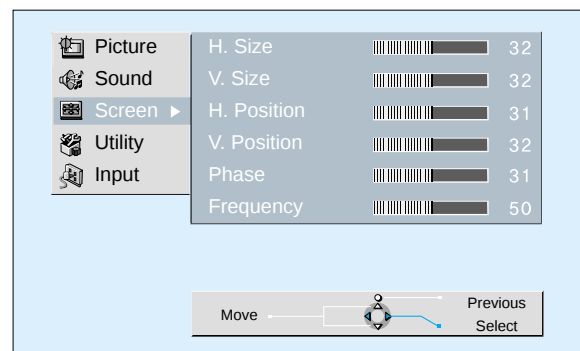
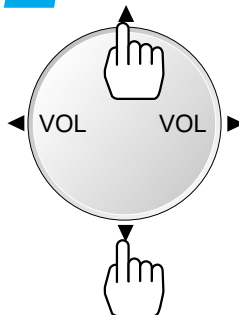
- The MENU screen as shown below will appear.

MENU

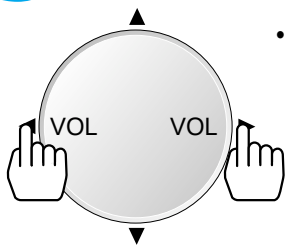


2 Press the ▲/▼ button.

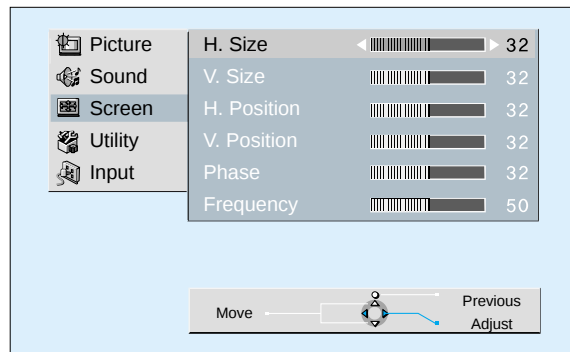
- Press ▲ / ▼ button to select 'Screen'.



3 Press the Volume ◀▶ button.



- Press the Volume ◀▶ button to select "Scaling".
- While you are in 'Screen' mode, press ◀ or ▶ button to select a desired item, and then adjust.



NOTES:

- * Horizontal/Vertical Values can be adjusted from [Computer Input]
- * Horizontal Value: As the value increases, screen width increases
- * Vertical Value: As the value increases, screen height increases.
- * Horizontal Position: Increasing value moves screen to the right.
- * Vertical Position: Increasing value moves screen up.
- * Phase: Adjusts the position to obtain the screen.
- * Frequency: Adjusts the base to obtain the screen.

Enlarging Screen Size

Enlarging Screen Size

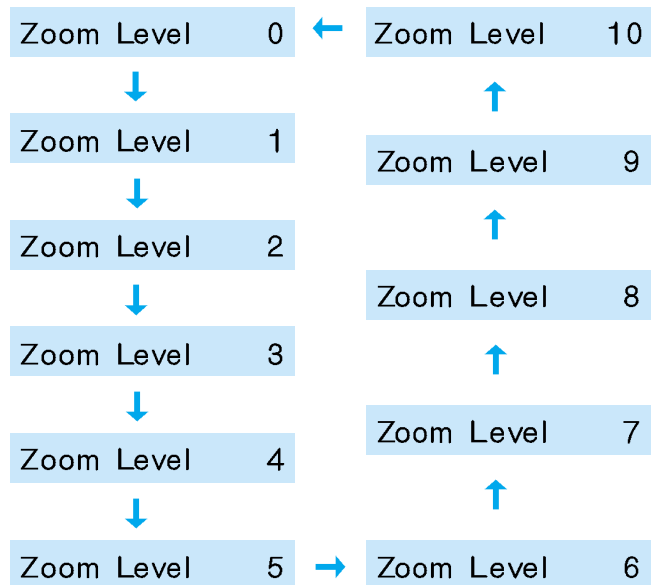
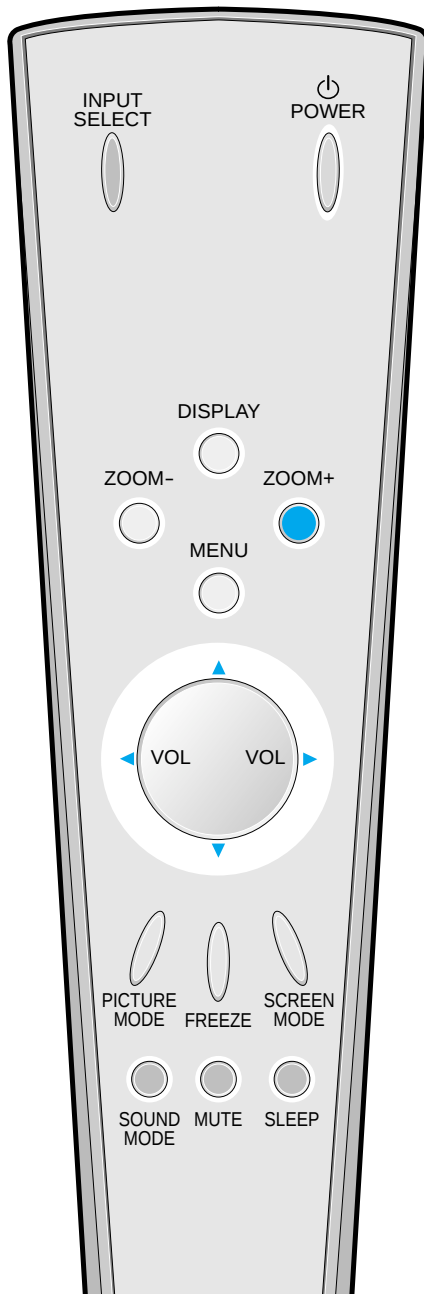
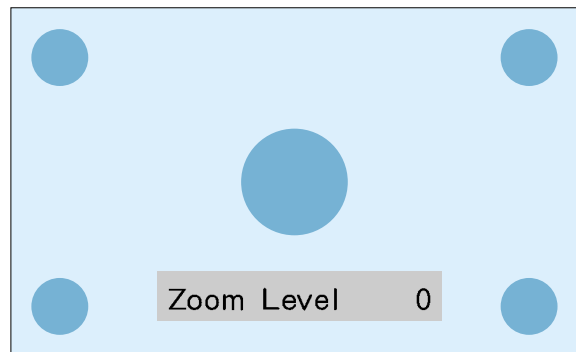
- With this function you can view enlarged size of the screen.

1 Press the 'ZOOM+' button.

ZOOM+

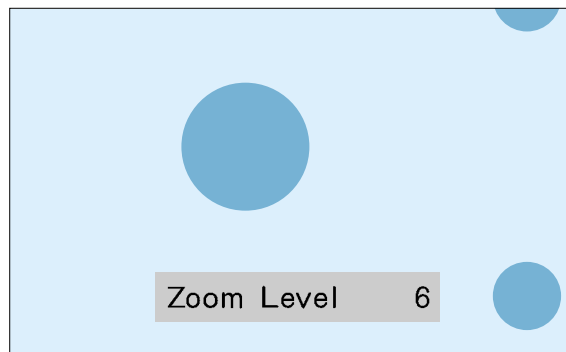
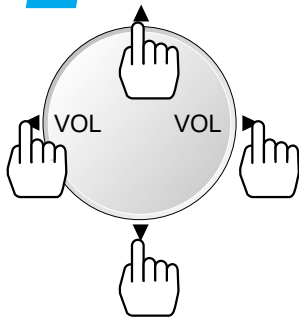


- Press the 'ZOOM+' button to show currently selected screen size.
- Each time you press 'ZOOM+' button, the screen size will increase stepwise in 0 ~ 10 scale.
- To reduce the screen size, press the [ZOOM-] button.



2 Move the Screen Position.

- While you are in 'Zoom' mode, press ▲/▼, ◀/▶ buttons to move screen stepwise up/down, left/right, respectively.



NOTES:

When the screen is enlarged, the pixel of the screen can become thick and dim.

Watching a Still Image

Watching a Still Image

- With this function, you can view still images temporarily. However, displaying the same images such as still images for a long time may cause after-image lagging.



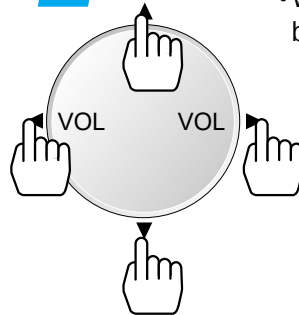
1 Press the 'STILL' button.



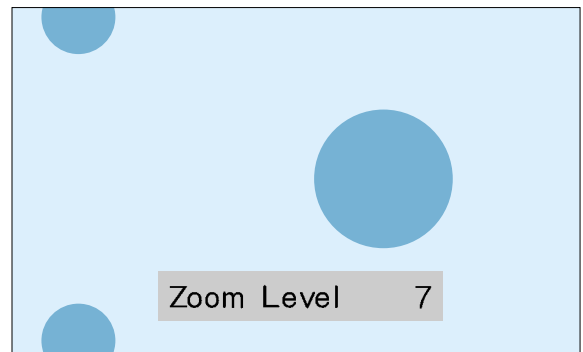
- If you wish to freeze a picture, press the 'STILL' button. You can still hear the sound.
- Press any button to cancel the 'STILL' function.
- To view the enlarged images, press the [ZOOM+] button.



2 Move the Screen Position.



- While you are in 'STILL' mode, press ▲/▼, ◀/▶ buttons to move screen stepwise up/down, left/right.



NOTES:

- Displaying the same images such as still images for a long time may cause after-image lagging.
- In this case, such images may become less noticeable if moving images are later displayed.
- However, an after-image may become a permanent one, damaging the Plasma Display; therefore, avoid displaying the same images should be avoided.

Adjusting Auto Sound Mode

1 Select SOUND Mode.



- Press the [SOUND MODE] on the Remote Control.
- Pressing the [SOUND MODE] first time will display the current SOUND MODE.

Adjusting Auto Sound Mode

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

2 Every press of the button changes modes.

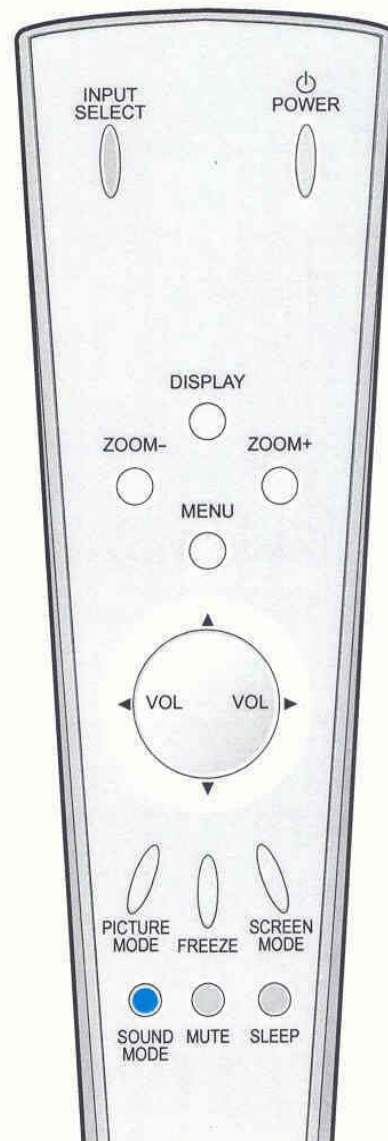


Normal → Movie → Music → News → User

- * 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 for 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, News Modes are factory preset values.
If you want to customize sound modes to your preference, refer to the following page.



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Customizing Sound Mode

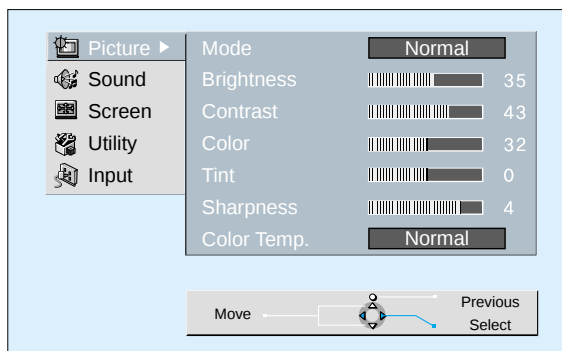
Customizing Sound Mode

- This selection can allow the user to adjust to his preference.

1 Press the MENU button.

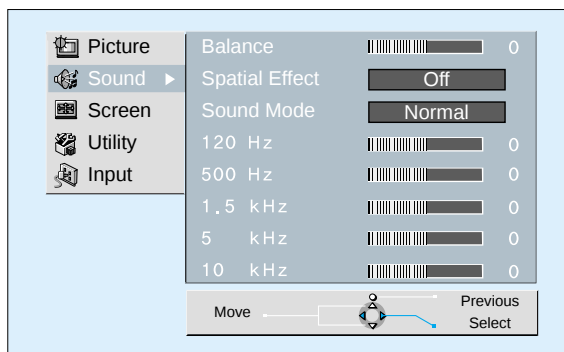
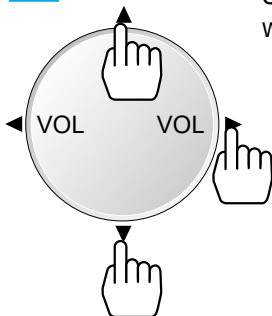
- The MENU Screen as below will be displayed.

MENU



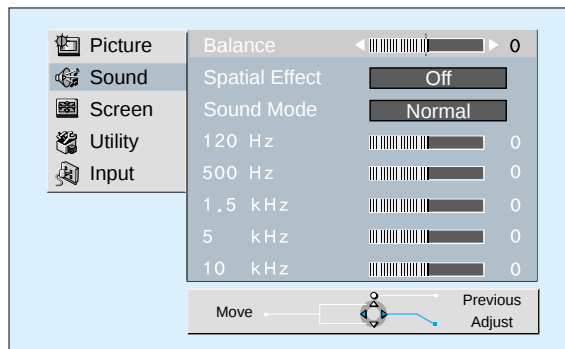
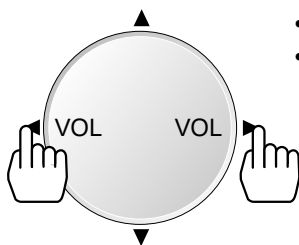
2 Press the ▲/▼ button.

- Select [SOUND] by ▲/▼ button, then pressing ► button will display as shown below.

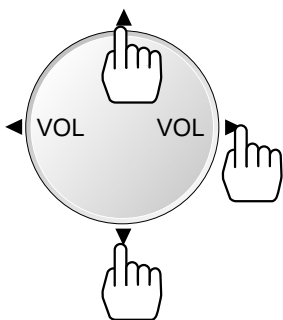


3 Select SOUND BALANCE.

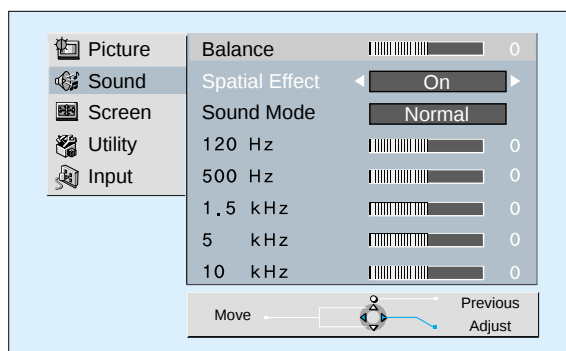
- Select [SOUND BALANCE] by ◀/▶ button, then adjust
- Sound balance is best at '0'.
- Sound Balance: Adjusts sound balance of left and right speaker.



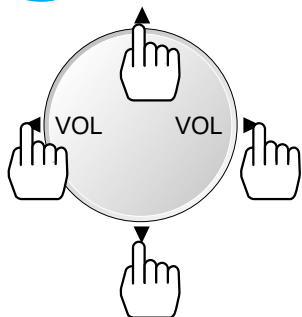
4 Select DOLBY SOUND Mode.



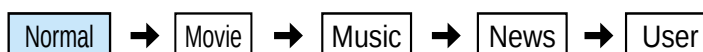
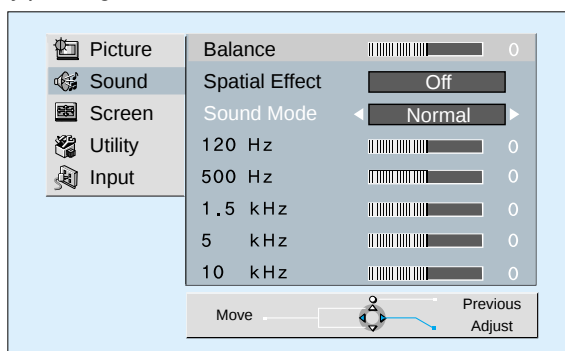
- Select the Dolby Sound by pressing ▲/▼ button, then select ON/OFF by pressing ► button.
- DOLBY SOUND: Used to feel grotesque by emphasizing middle and low sound.



5 Select SOUND Mode.



- Select the Sound Mode by pressing ▲/▼ button, then select by pressing ◀/▶ button.



- * 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 for 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 sound frequency as desired.
- 2) If you modify sound frequency in auto Sound Mode (News, Movie, Music, etc.), it is automatically switched to Custom Mode.
- 3) Low sound is emphasized as the frequency is lowered to 120 Hz, and high sound as raised to 10 KHz.
- 4) When the INPUT is MONO, if you connect to Left Audio Input, you can hear from both speakers.

Selecting INPUT SIGNAL

INPUT SIGNAL

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

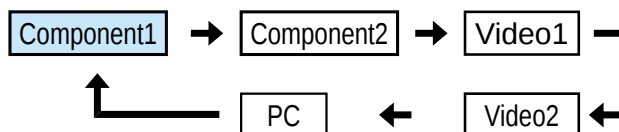
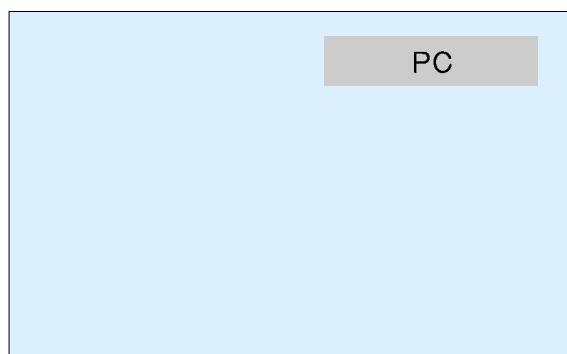


1 Press the INPUT SELECT button.

INPUT
SELECT



- Press the [INPUT SELECT] button on the Remote Control or PDP Display to select [COMPONENT 1] or [COMPONENT 2].
- Each time you press the [input select] button, a different screen mode appears. The sequences used are as follows: COMPONENT 1 → COMPONENT 2 → VIDEO 1 → VIDEO 2 → COMPUTER



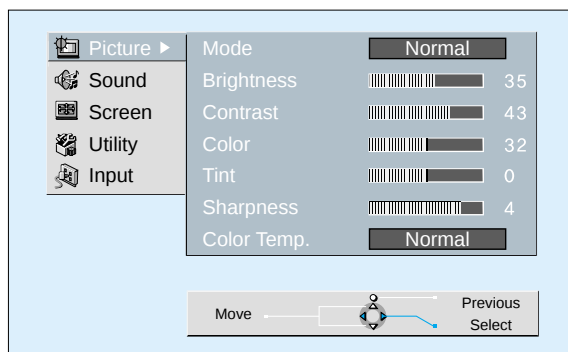
NOTES:

- * If external device is not connected or INPUT signal is not applied, Warning Message ("No Signal") would be displayed.
- * If this is the case, check if external device is connected or terminal connection is properly done.

1 Press the MENU button.

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

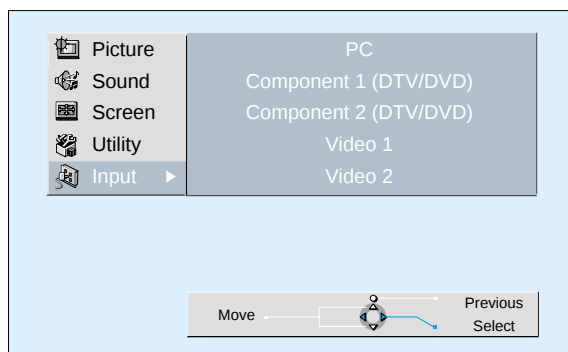
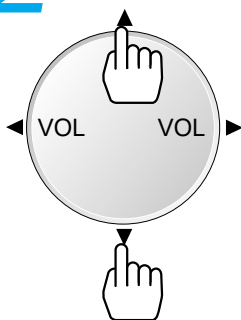
MENU



Adjusting from
MENU Screen

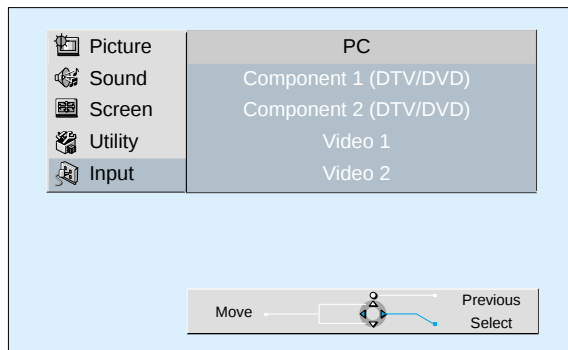
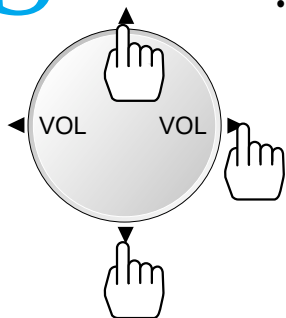
2 Select INPUT.

- Select [INPUT] by ▲ / ▼ button.



3 Select INPUT SIGNAL.

- Select [INPUT SIGNAL] by ▲ / ▼ button, then press ► button.



Checking the Current Input Signal

Checking the Current Input Signal

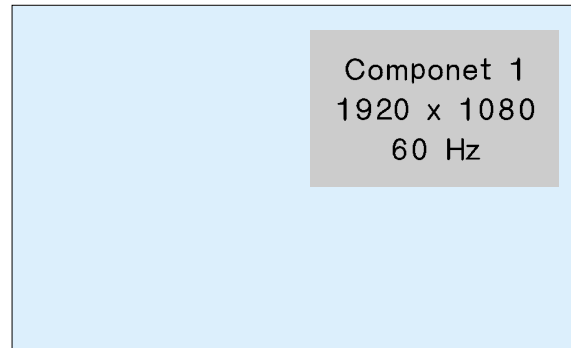
- Used to check INPUT signal mode, resolution, etc. of the current screen.



1 Press the CHECK button.

- Press the [CHECK] button on the Remote Control.

DISPLAY



1. If you watch Digital Broadcasts:

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

2. If you watch DVD image:

Componet 2 → Displays which input terminal is used, and indicates signal mode.
 YUV 60 Hz → Indicates the mode and frequency of current INPUT signal.

3. If you watch VCR image:

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



NOTES:

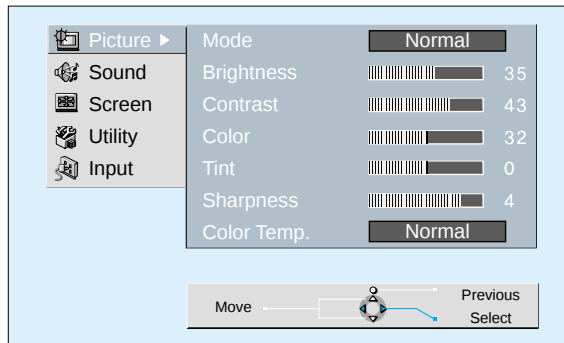
- * SUMMUS PLASMA can receive NTSC, PAL, SECAM, etc.
- * "1920 x 1080" displayed in the INPUT signal does not indicate the resolution of the monitor, but the signal that is sent by Digital Broadcasting Receiver.

Selecting MENU Background Screen and Languages

1 Press the MENU button.

- The MENU screen will be displayed as below.

MENU

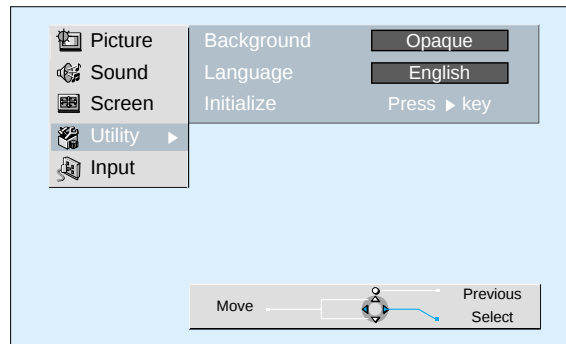
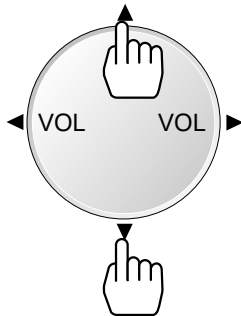


Selecting Languages

- Used to select transparency of the MENU background screen and language used in MENU.

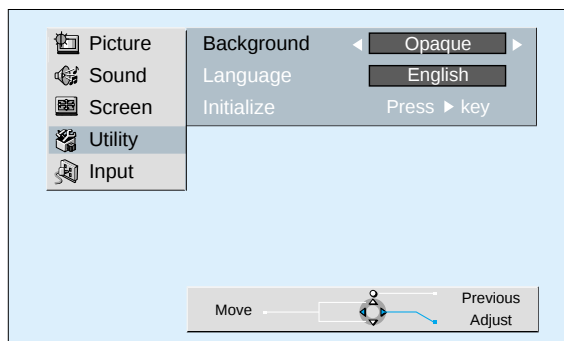
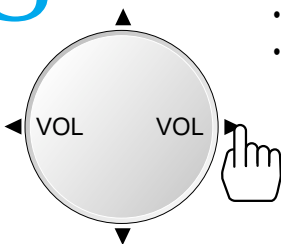
2 Press the ▲/▼ button.

- Select the [FUNCTION] by ▲/▼ button.

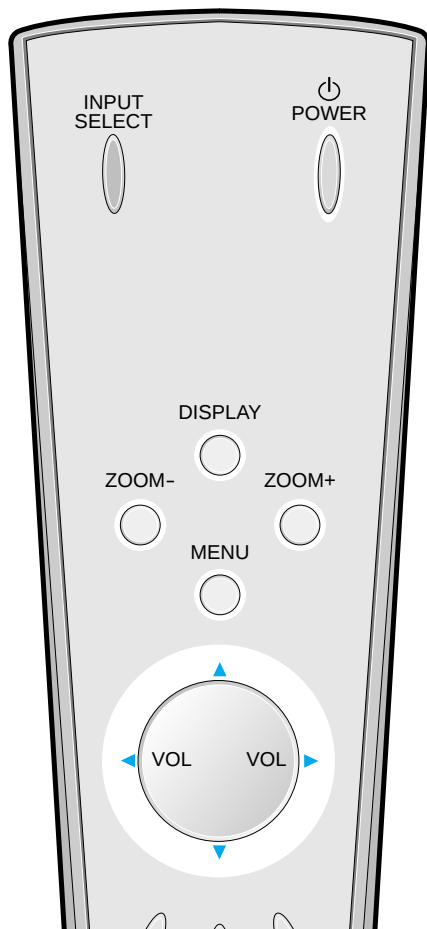


3 Select MENU Background Screen.

- Select [MENU BACKGROUND SCREEN] by pressing ► button.
- Every press of ► button while you are in [MENU BACKGROUND SCREEN] would switch between Transparent/Opaque.



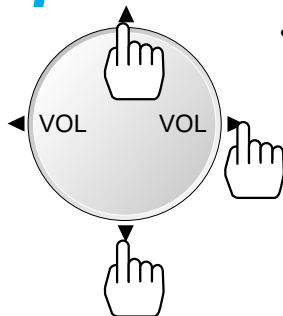
Selecting MENU Background Screen and Languages



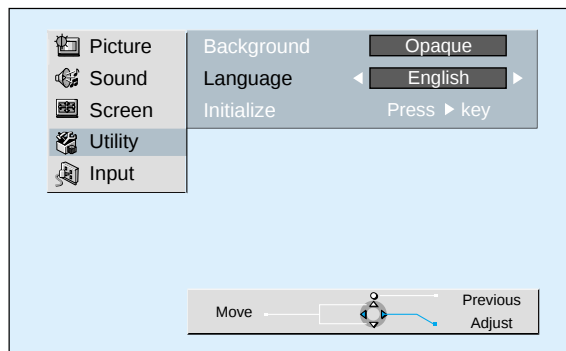
Back to Initialization

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

4 Select MENU LANGUAGE SELECT by ▲/▼ button.



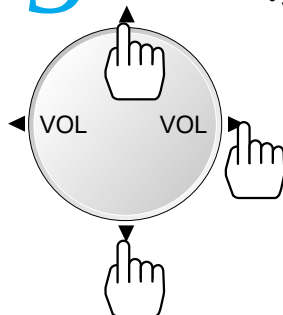
- Select MENU LANGUAGE SELECT by ▲/▼ button.
- Every press of ► button while you are in [MENU LANGUAGE SELECT] mode would cycle through the different languages.



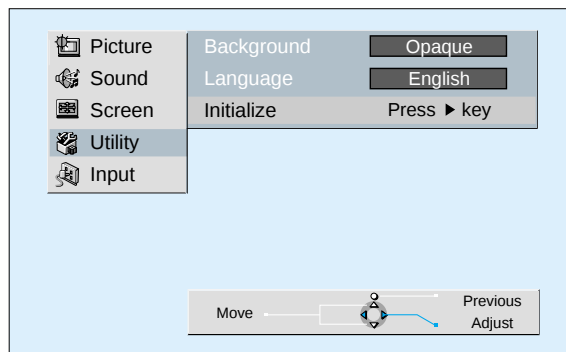
NOTES:

- * When Power is turn ON first time, 'SELECT LANGAUGE' Mode will be displayed, then select a desired language. (Displayed only once)

5 INITIALIZATION will start.



- Select [INITIALIZATION] by ▲/▼ button, then press ► button to start initialization.



When [INITIALIZATION] is completed:

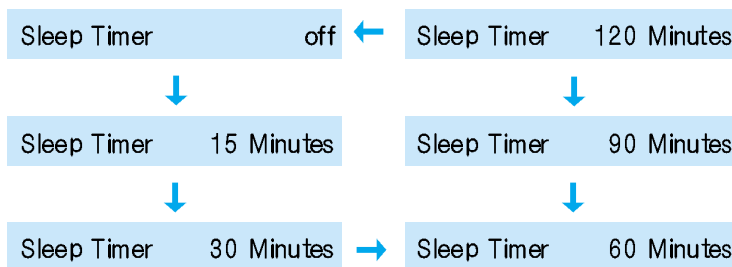
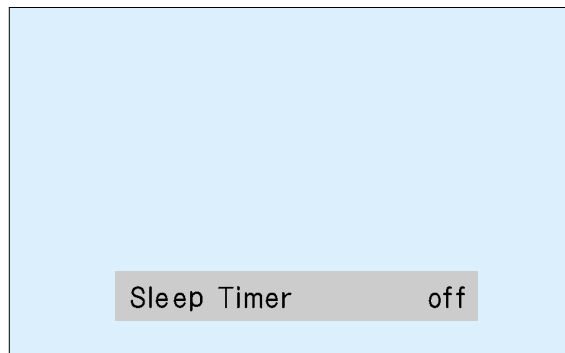
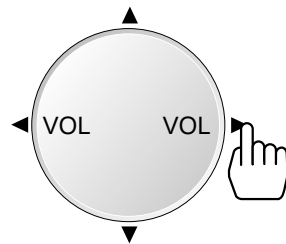
- * When [INITIALIZATION] is completed, those values that have been set in the CUSTOM Mode of [SCREEN MODE] and [SOUND MODE] will be returned to the factory preset values.
- * When you try to initialize, be advised that you should think it over.
- * The items in the [SCREEN] Menu in PC INPUT are also initialized (i.e., Horizontal Value, Vertical Value, Horizontal Position, Vertical Position, Phase, Frequency, etc.)

Setting Sleep Timer

1 Press the SLEEP TIMER button.



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

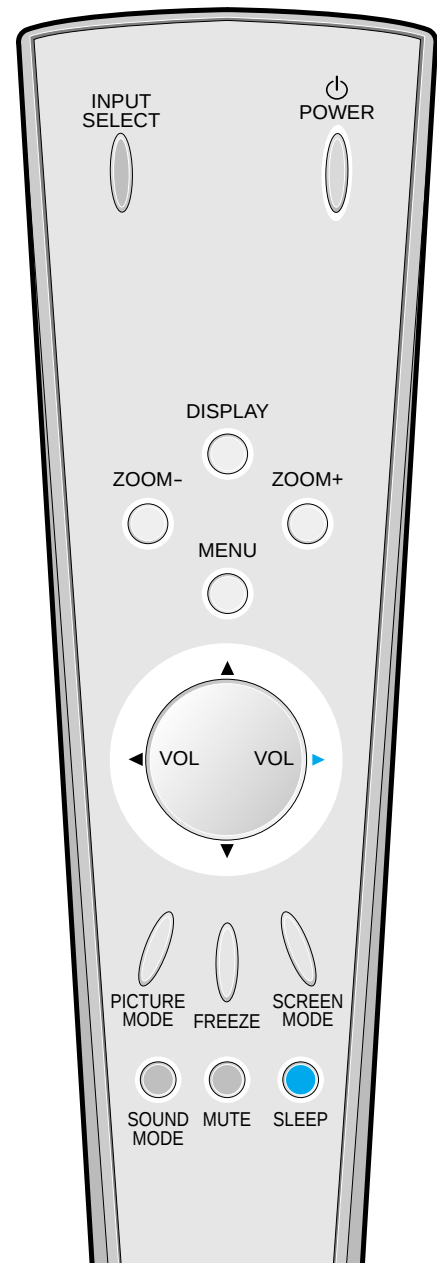


NOTES:

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

Setting Sleep Timer

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



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Before Requesting Service

Before requesting service from the nearest Daewoo Electronics Service Center, check the following points once again.

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• Remote control does not function properly.

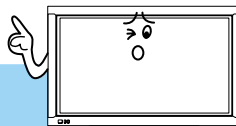
- Check for any obstacle between the Remote Control and the Display.
- Check for dead batteries and incorrect battery orientation.
- Check if the Remote Control is right one.
- Remove any obstacle between the Remote Control and the Display.
- Replace batteries and use the correct polarity (+) or (-) of the batteries.
- Use the Remote Control proper to the model.

• The Display makes a snapping sound.

- Check if 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 picture and sound function properly.

• There are empty spots in the top and 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 find dark areas at top and at the bottom of the screen.



Before Requesting Service



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• There are spots on the screen or screen rolls.

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

• 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 in 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 of damaging the product.



DISPLAY UNIT

Model	DSP-4280GM
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
Output Color	16,770,000 Colors
Contrast Ratio	300 : 1
Video Signal	NTSC, PAL, SECAM, PAL-M/N, NTSC4.43
Dimension	1039(W) × 628(H) × 80(D)mm
Weight	30 kg
Power Consumption	320W
Power Requirement	AC 110~220V, 50/60Hz

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

INPUT/OUTPUT TERMINAL

INPUT/OUTPUT	ITEMS	VIDEO	AUDIO
EXTERNAL INPUT	COMPONENT INPUT	DTV/DVD ONLY (Y, Pb/Cb, Pr/Cr), 2 sets	(LEFT/RIGHT) 2 sets
	VIDEO INPUT	two RCA jacks	(LEFT/RIGHT)
	S-VIDEO INPUT	two 4 pin Mini DIN jack	2 sets
	Computer(PC)	one 15 pin D-sub jack (R, G, B, H, V)	(LEFT/RIGHT) 2 sets
AUDIO OUTPUT	SPEAKER OUTPUT(sold separately)	16W (two 8W)	