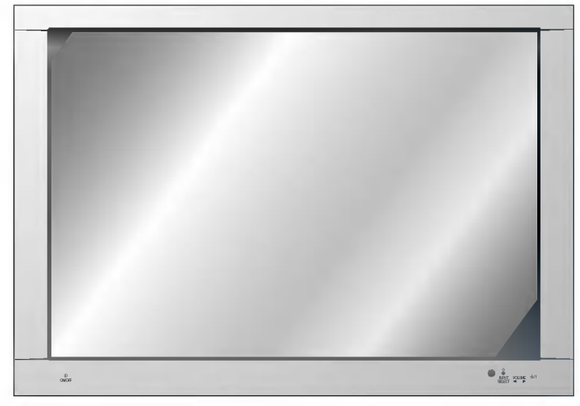
LG

PLASMA MONITOR

Please read this owner's manual carefully before operating the Monitor.
Retain it for future reference.
Record model number and serial number of the Monitor.
See the label attached on the back of the Monitor and quote this information to your dealer when you require service.

Model number :
Serial number :

P/NO : 3828VA0233Aⓑ
(MP00MB, 067G TX)



What is a Plasma Display ?

If voltage is inputted to gas in glass panels, ultraviolet rays is outputted and fused with a fluorescent substance. At this moment, light is emitted. A Plasma Display is a next generation flat Display using this phenomenon.

160° - Wide angle range of vision

A Plasma Display provides more than 160° angle range of vision so that you can get a picture without distortion from any direction.

Easy installation

A Plasma Display is much lighter and smaller than other same class products so that you can install the Plasma Display at the desired place.

Big screen

The screen of a Plasma Display is 40" so that you can get vivid experience as if you are in a theater.

Multimedia Plasma Display

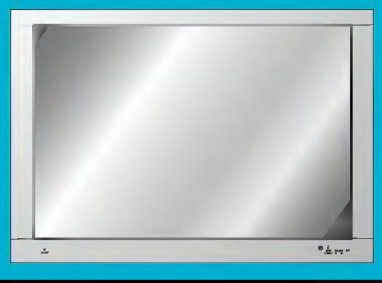
A Plasma Display can be connected with a computer so that you can use it as a screen for conference, game, internet and so on.

The explanation about colored dots may be present on PDP screen

The PDP which is the display device of this product is composed of 0.9 to 2.2 million cells and a few cell defects can occur in the manufacture of the PDP. Several coloured dots visible on the screen would be acceptable, in line with other PDP manufacturers and would not mean that the PDP is faulty. We hope you will understand that the product which corresponds to this standard is regarded as acceptable. It means that it could not be changed or refunded.
We promise that we'll do our best to develop our technology to minimize the cell defects.

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

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



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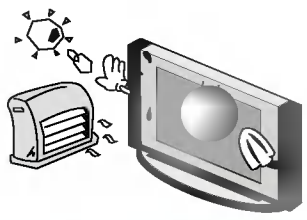
Safety Instructions

- Use the Monitor at the place lower than the altitude of 6562 feet (2000m) to get the best quality of picture and sound.

⚠WARNING

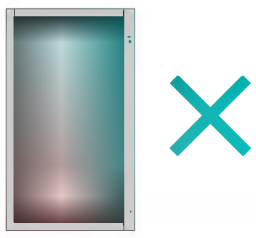
Do not place the Monitor in direct sunlight or near heat sources such as heat registers, stove and so on.

- This may cause a fire.



⚠NOTES

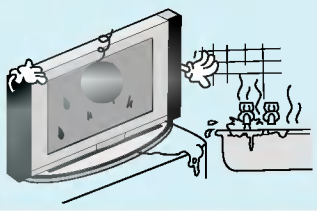
This plasma display is designed to be mounted horizontally (wide viewing).



⚠WARNING

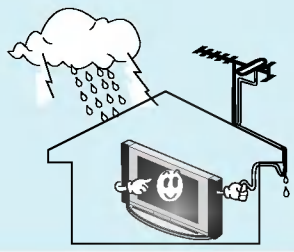
Do not use the Monitor in damp place such as a bath-room or any place where it is likely to get wet.

- This may cause a fire or could give an electric shock.



Bend antenna cable between inside and outside building to pre-vent rain from flowing in.

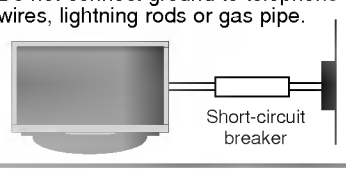
- This may cause water damaged inside the Monitor and could give an electric shock.



⚠WARNING

Earth wire should be connected.

- If the earth wire is not connected, there is possible a danger of electric shock caused by the current leakage.
- If grounding methods are not possi-ble, a separate circuit breaker should be employed and installed by a quali-fied electrician.
- Do not connect ground to telephone wires, lightning rods or gas pipe.



⚠NOTES

Never touch the power plug with a wet hand

- This may cause an electric shock.

* Safety instructions have two kinds of information, and each meaning of it is as below.

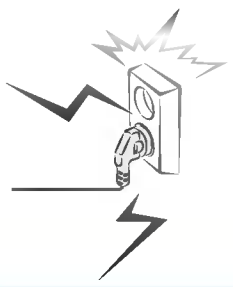
⚠WARNING **The violation of this instruction may cause serious injuries and even death.**

⚠NOTES **The violation of this instruction may cause light injuries or damage of the product.**

⚠ **Take care of danger that may happen under specific condition.**

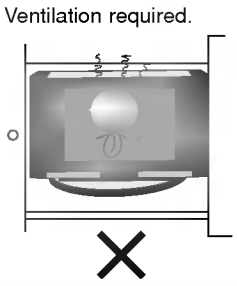
⚠NOTES

Disconnect from the mains and remove all connections before moving.



Do not place the Monitor in a built-in installation such as a bookcase or rack.

- Ventilation required.



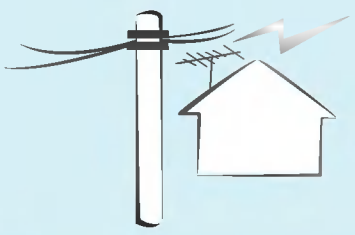
When installing the Monitor on a table, be careful not to place the edge of its stand.

- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.

⚠NOTES

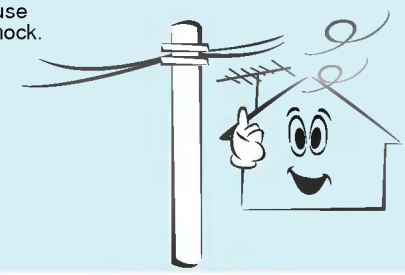
Do not place an outside antenna in the vicinity of overhead power lines or other electric light or power circuits.

- This may cause an electric shock.



There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls.

- This may cause an electric shock.



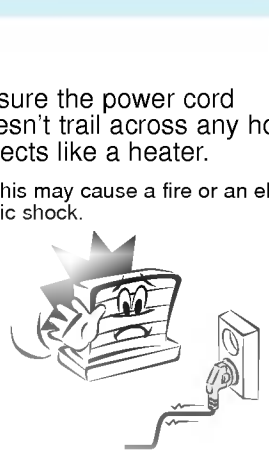
⚠NOTES

Do not pull the cord but the plug when unplugging.

- This may cause a fire.

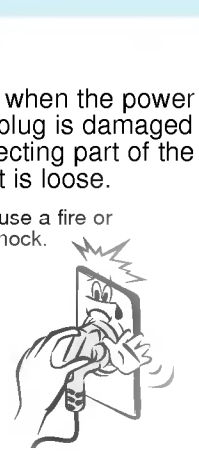
Ensure the power cord doesn't trail across any hot objects like a heater.

- This may cause a fire or an electric shock.



Do not plug when the power cord or the plug is damaged or the connecting part of the power outlet is loose.

- This may cause a fire or an electric shock.

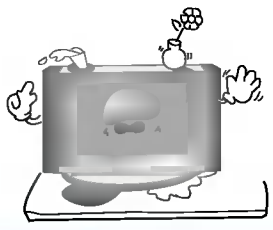


Safety Instructions

⚠WARNING

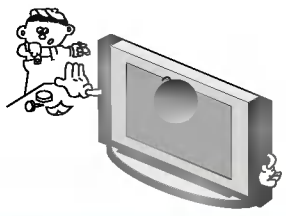
Do not placing anything containing liquid on top of the Monitor.

- This may cause a fire or could give an electric shock.



Do not insert any object into the exhaust vent.

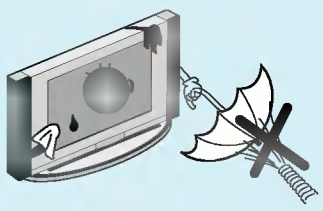
- This may cause a fire or could give an electric shock.



⚠WARNING

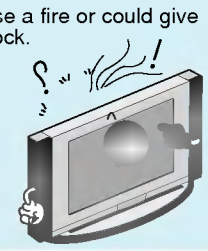
Do not use water the Monitor while cleaning.

- This may cause damaged the Monitor or could give an electric shock.



In case of smoke or strange smell from the Monitor, switch it off ,unplug it from the wall outlet and contact your dealer or service center.

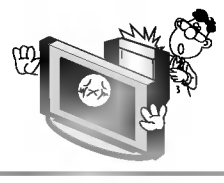
- This may cause a fire or could give an electric shock.



⚠WARNING

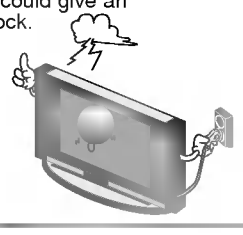
Do not attempt to service the Monitor yourself. Contact your dealer or service center.

- This may cause damaged the Monitor or could give an electric shock.



During a lightning thunder, unplug the Monitor from the wall outlet and don't touch an antenna cable.

- This may cause damaged the Monitor or could give an electric shock.



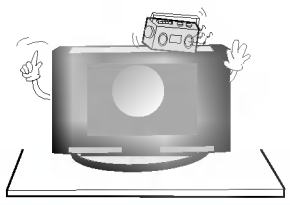
WARNING in U.K. only

* This set is supplied with a BS 1363 approved 13 amp mains plug, fused at 13 amp. When replacing the fuse always use a 13 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer or "LG Electronics U.K. Ltd." If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted.
A mains plug removed from the mains lead of this set must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket. Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow. If any other plug is fitted, use a 13 amp fuse, either in the plug, or at the distribution board.
The wires in this mains lead are coloured in accordance with the following codes: **BLUE: NEUTRAL, BROWN: LIVE**
As the colours of the wires in the mains lead of this set may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

WARNING

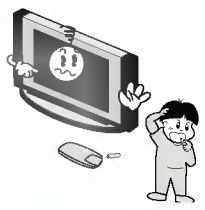
Do not place heavy objects on the Monitor.

- This may cause serious injury to a child or adult.



Dispose of used batteries carefully to protect a child from eating them.

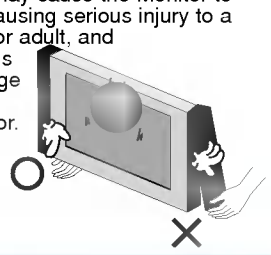
- In case that it eats them, take it to see a doctor immediately.



NOTES

When moving the Monitor assembled with the Speakers do not carry holding the Speakers.

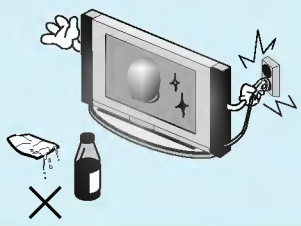
- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.



NOTES

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.

- This may cause damaged the Monitor or could give an electric shock.



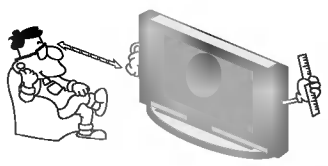
Contact the service center once a year to clean the internal part of the Monitor.

- Accumulated dust can cause mechanical failure.

NOTES

The distance between eyes and the screen should be about 5 ~ 7 times as long as diagonal length of the screen.

- If not, eyes will strain.

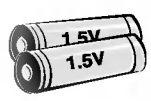


Unplug the Monitor from the wall outlet when it is left unattended and unused for long periods of time.

- Accumulated dust may cause a fire or an electric shock from deterioration or electric leakage.

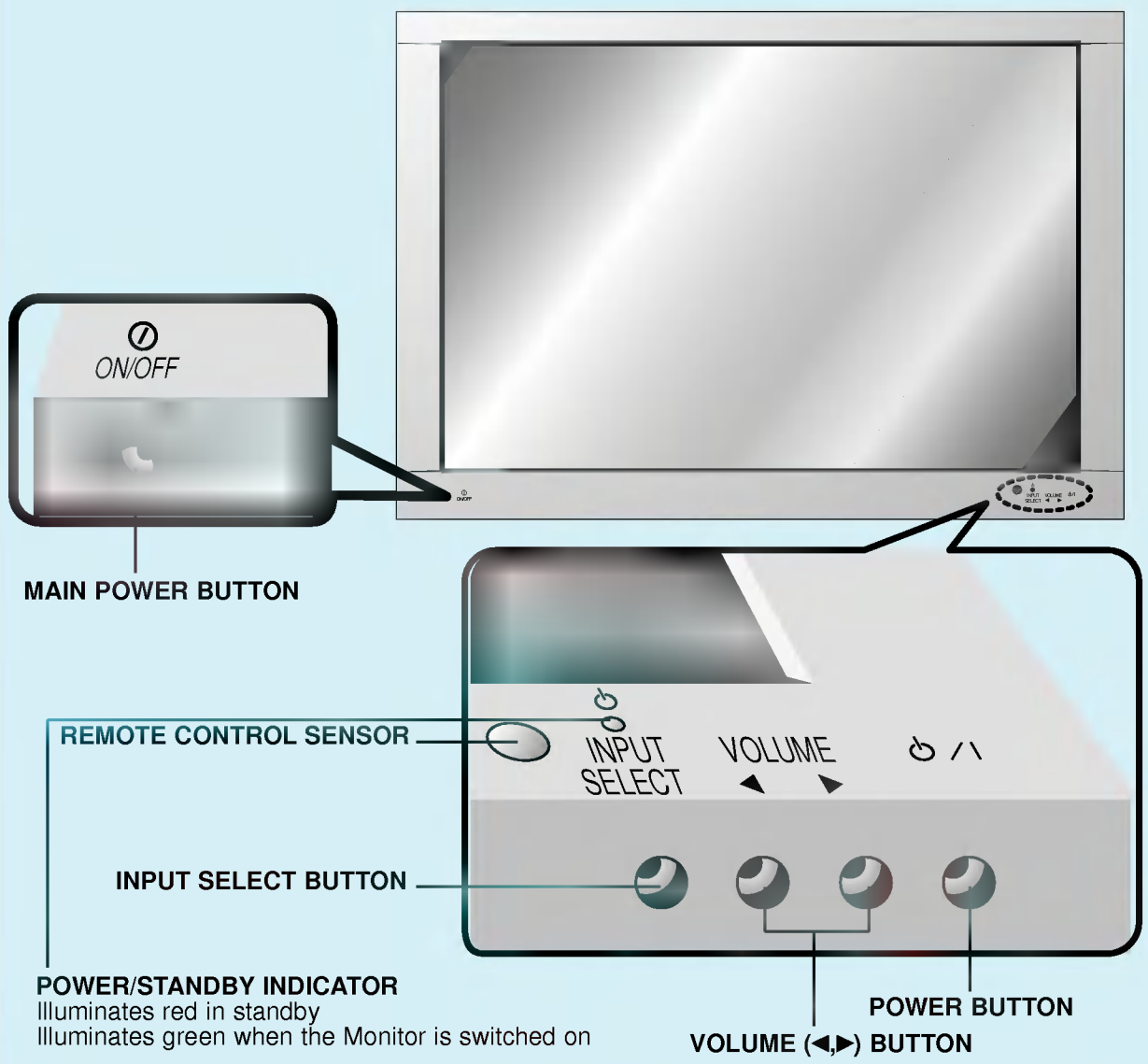
Only use the specified batteries.

- This make cause damaged the remote control or could give an electric shock.

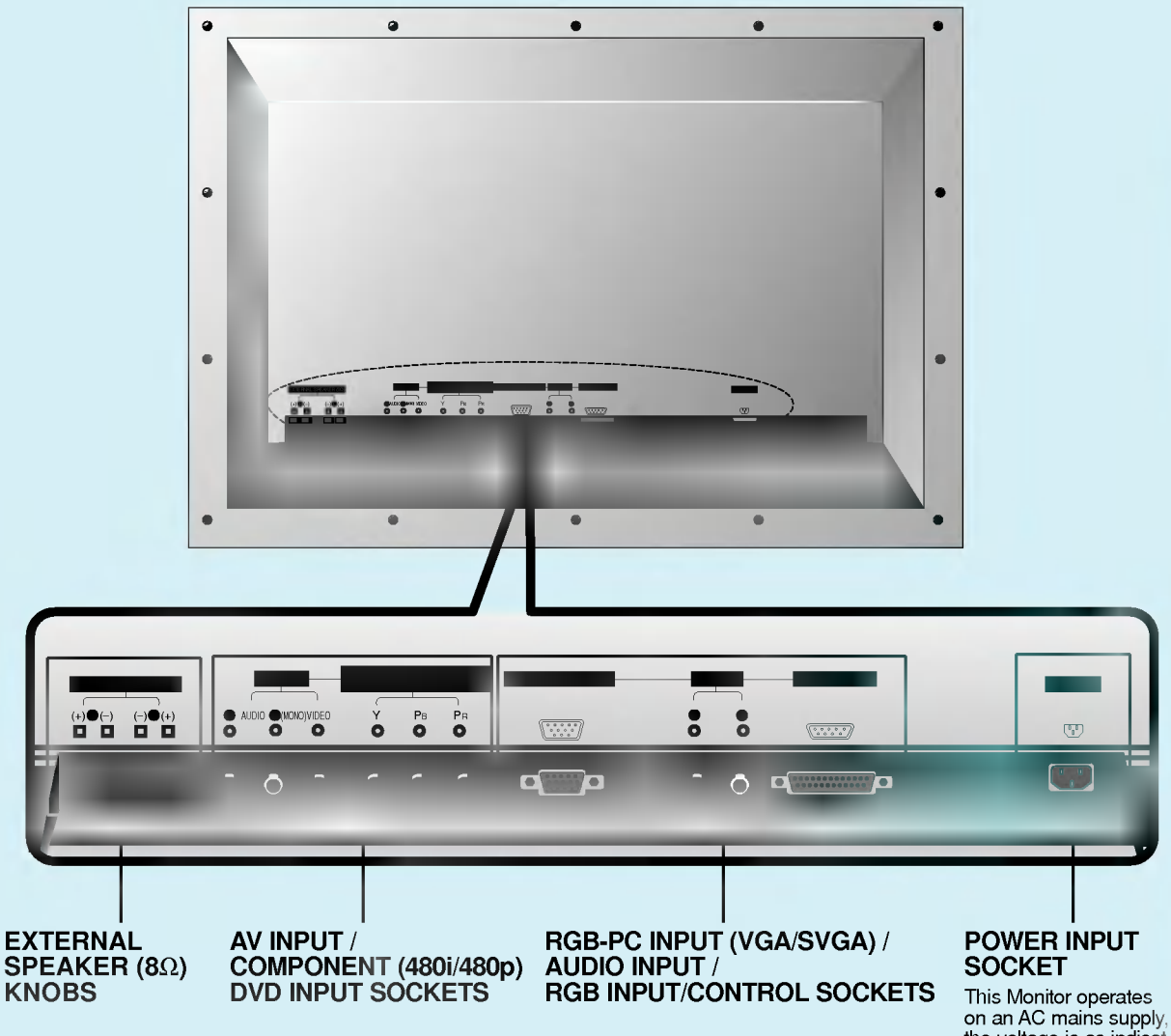


Controls of the Monitor

<Front Panel>



<Back Panel>



EXTERNAL SPEAKER (8Ω) KNOBS

AV INPUT / COMPONENT (480i/480p) DVD INPUT SOCKETS

RGB-PC INPUT (VGA/SVGA) / AUDIO INPUT / RGB INPUT/CONTROL SOCKETS

POWER INPUT SOCKET

This Monitor operates on an AC mains supply, the voltage is as indicated as inside back cover of this manual. Never apply DC power to the Monitor.

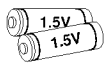
Accessories

D-sub 15 pin cable

Mains cord

Remote control

Owner's Manual



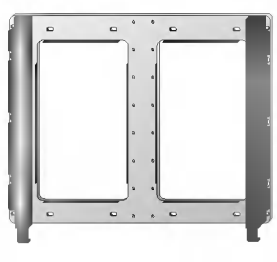
Alkaline batteries

Optional Extras

- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.

RT/RZ-BA10 (PDP Tuner)

AP-40WA20M series
(Tilt wall mounting bracket)

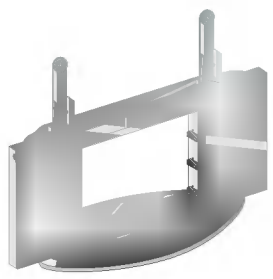


AP-40WA10 series
(Wall mounting bracket)

Optional Extras

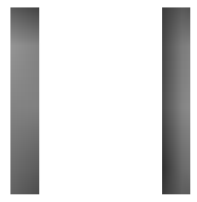
- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.

AP-40CA10 series
(Ceiling mounting bracket)



AP-40FA10 series
(Floor type stand)

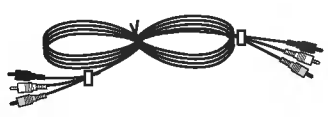
AP-40DA10 series
(Desktop stand)



AP-40SA10 series
(Speakers)

AP-40SA10D series
(Speaker stand)

AP-40SA10F series
(Floor type speaker stand)

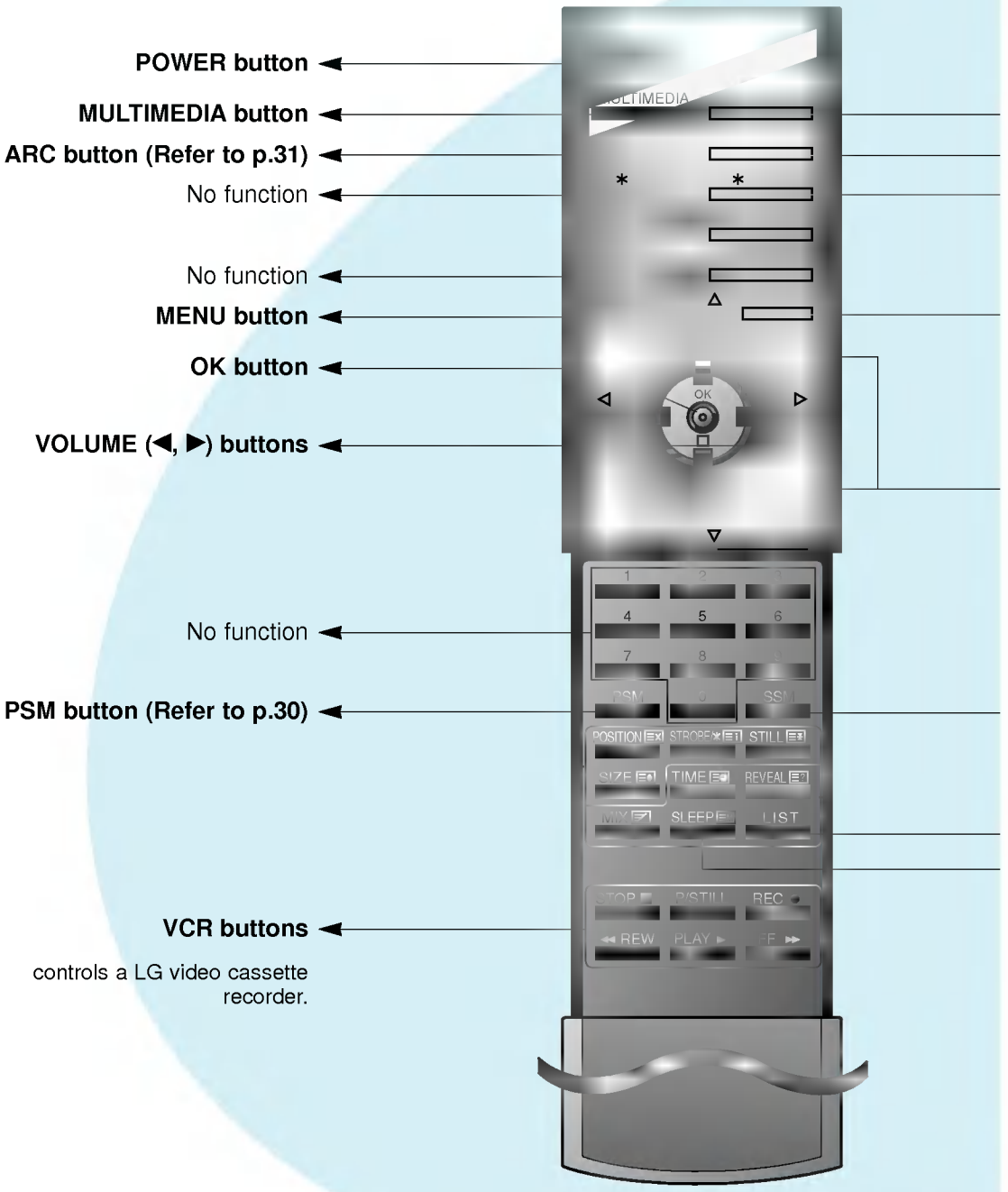


Video cables

Audio cables

Controls of the remote control

- **Some buttons on this remote control does function only when the Monitor is connected with RT/RZ-BA10 (the PDP tuner).**
- When using the remote control aim it at the remote control sensor of the Monitor.



→ **TV/AV button**

→ No function

→ No function

→ **MUTE button**
switches the sound on or off.

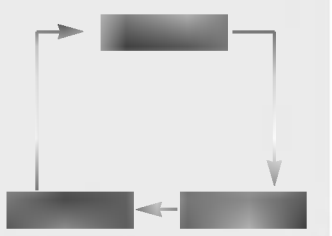
→ **▼ / ▲ buttons**

→ **SSM button** **(Refer to p.32)**

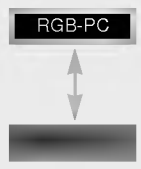
→ No function

→ **SLEEP button** **(Refer to p.35)**

TV/AV button on the remote control
Each press of this button changes the mode as below.



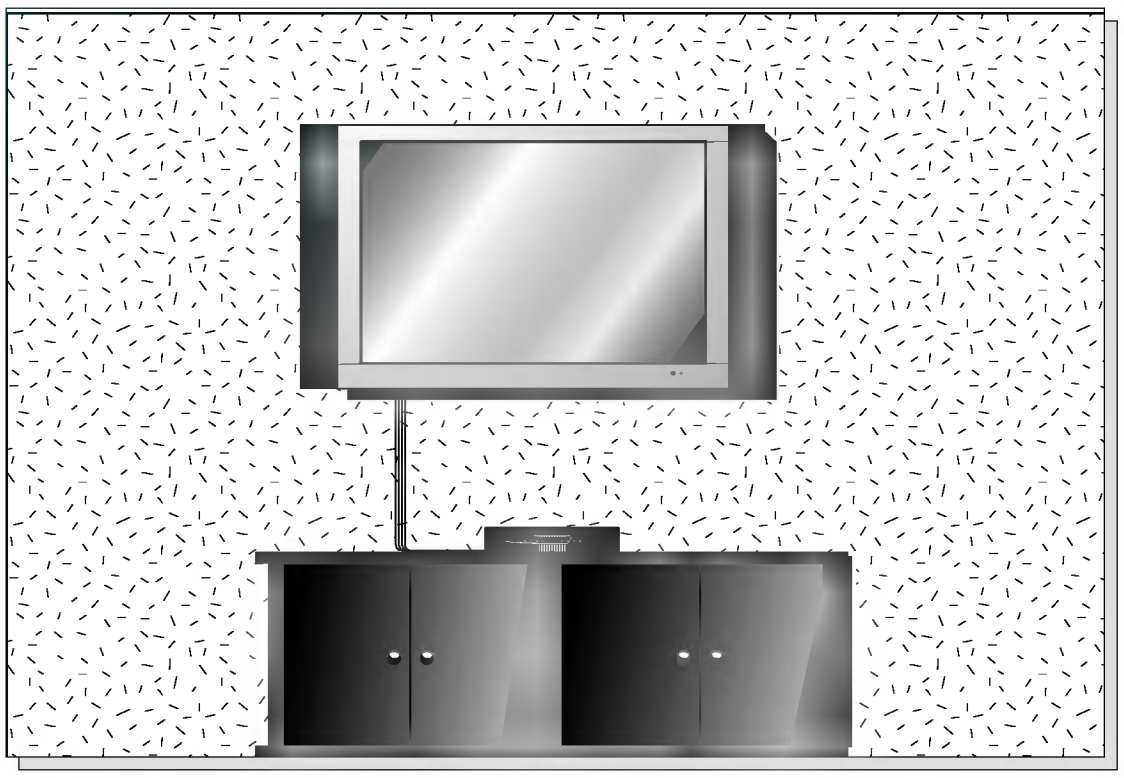
MULTIMEDIA button on the remote control
Each press of this button changes the mode as below.



Installation of the Monitor

- The Monitor can be installed in various ways such as wall mounting type, desktop type, etc..

To install as wall mounting type

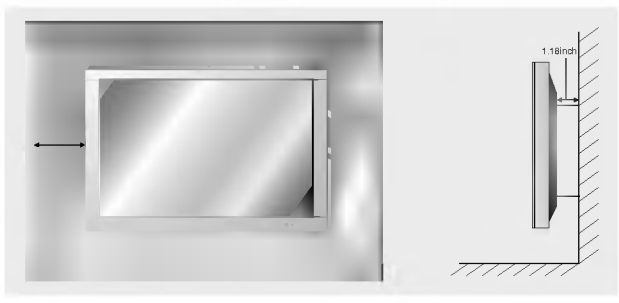


• The monitor can be installed on the wall as the picture above.
(For further information, refer to '(Tilt) wall mounting bracket owner's manual'.)

Tips

• Install this monitor only in a location where adequate ventilation is available.

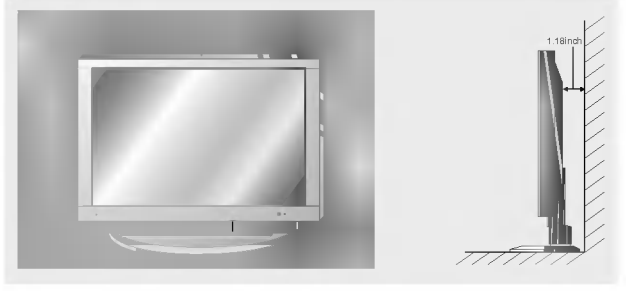
a. (Wall mount minimum allowable clearances for adequate ventilation)



To install as desktop type

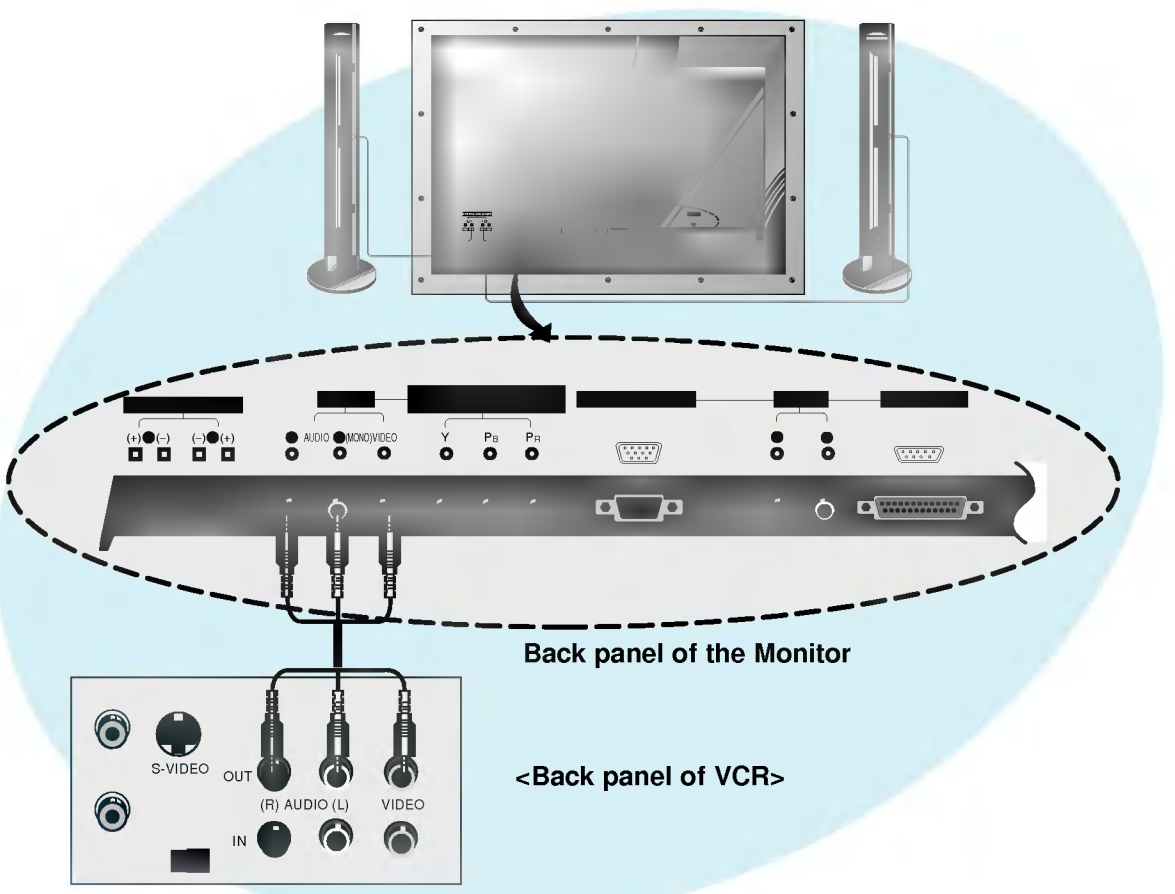
- The monitor can be installed on the desk as the picture above.
  (For further information, refer to 'Desktop stand owner's manual'.)

b. (Pedestal mount minimum allowable clearances for adequate ventilation)



Watching VCR

- When connecting the Monitor with external equipments, match the colours of connecting ports (Video - yellow, Audio(L) - white, Audio(R) - red).
- If you have a mono VCR, connect the audio cable from the VCR to the AUDIO(L/MONO) input of the Monitor.
- Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 16:9 picture format or if a CH label is present; the fixed image may remain visible on the screen.



Back panel of the Monitor

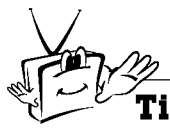
<Back panel of VCR>

To watch VCR

1 Press **TV/AV** button on the remote control to select **AV**. (Select **AV** if AV INPUT is connected.)

TV/AV

2 Insert a video tape into the VCR and press the **PLAY** button on the VCR.

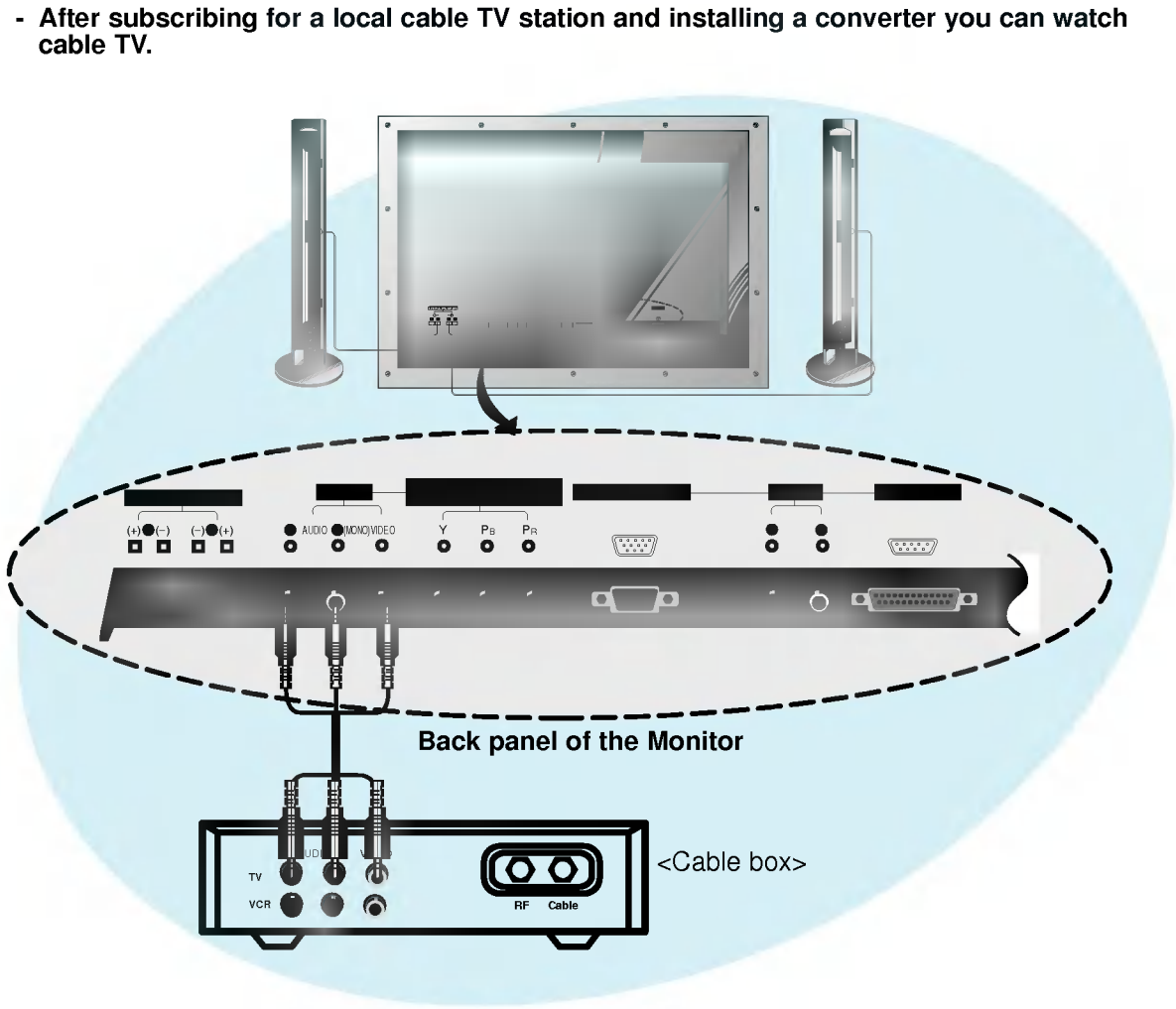


Tips

- To prevent picture noise, place the VCR more than 50cm away from the Monitor.

Watching Cable TV

- After subscribing for a local cable TV station and installing a converter you can watch cable TV.



To watch cable TV

1 Press **TV/AV** button on the remote control to select **AV**.
(Select **AV** if AV INPUT is connected.)

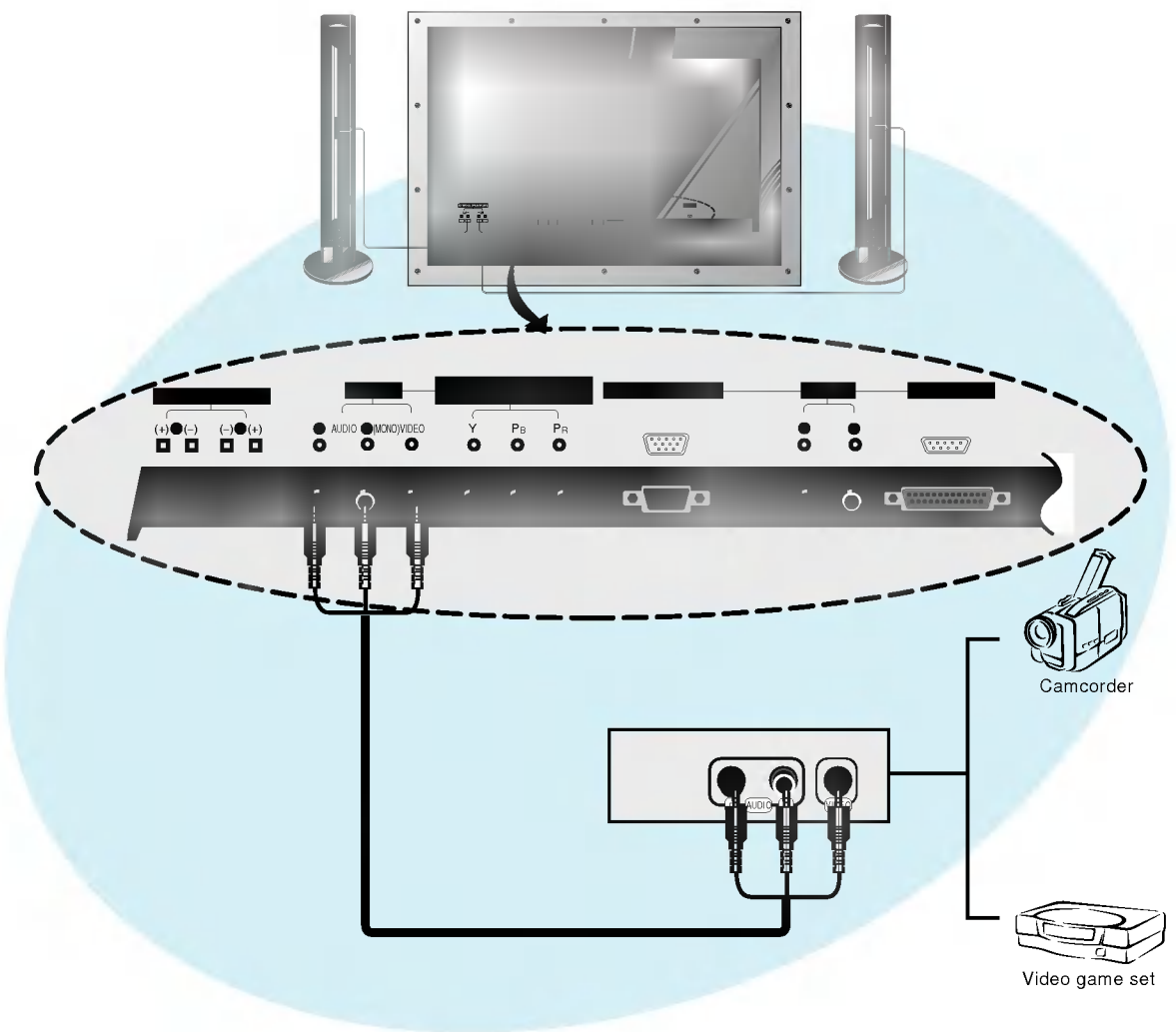
2 Select your desired programme with the remote control for cable box.

Tips

- For further information of cable TV, contact the local cable TV station.

Watching external AV source

- When connecting the Monitor with external equipments, match the colours of connecting ports.



To watch external AV source

1 Press **TV/AV** button on the remote control to select **AV**.

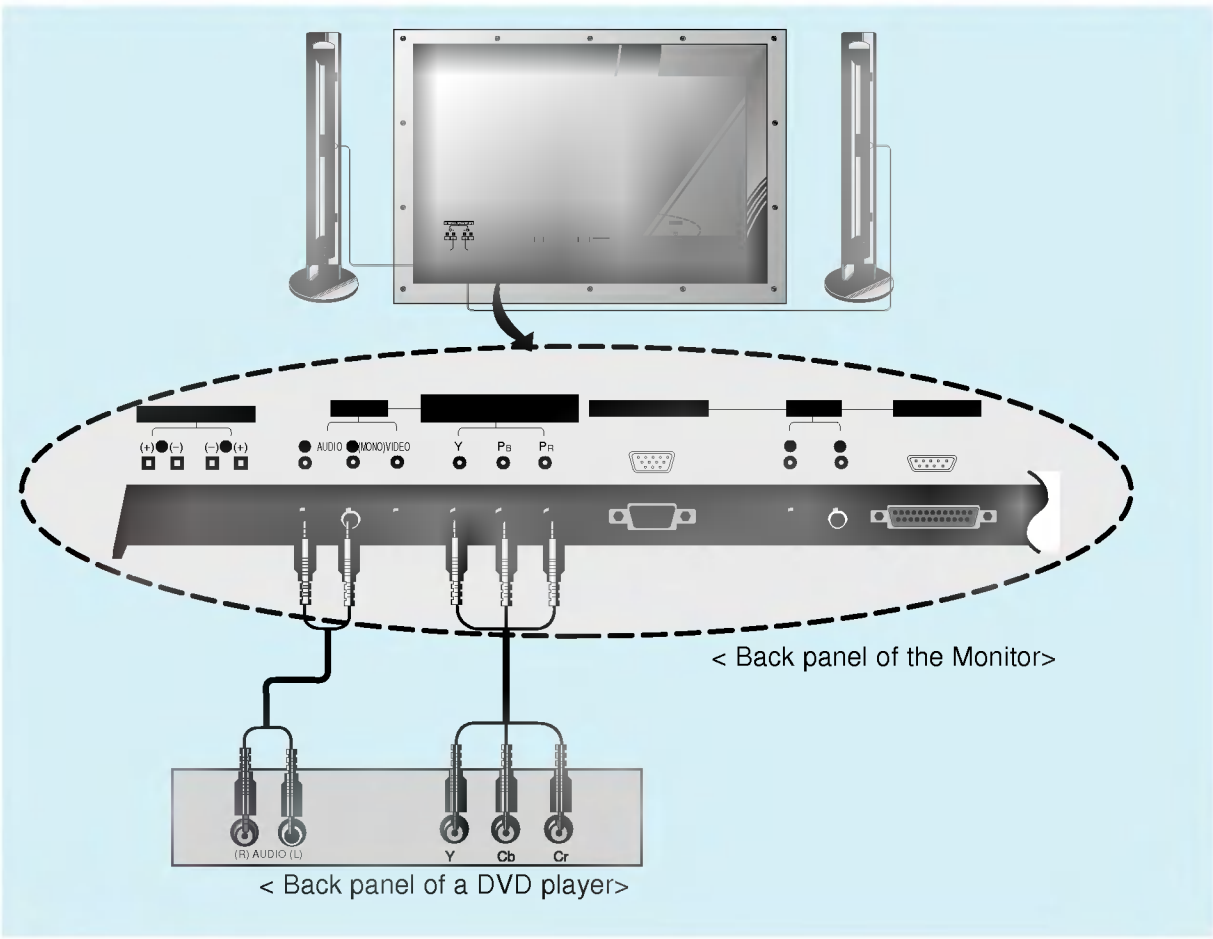
TV/AV

2 Operate the corresponding external equipment.

Watching DVD

How to connect

- DVD input is set as 480i/480p mode.
- Connect DVD video inputs to Y, P_B, P_R of COMPONENT (480i/480p) (DVD INPUT) and audio inputs to Audio sockets of AV INPUT.



< Back panel of the Monitor>

< Back panel of a DVD player>

How to use

- Press **MULTIMEDIA** or **TV/AV** button on the remote control to select **COMPONENT**.
- Try this after turning on the DVD player.

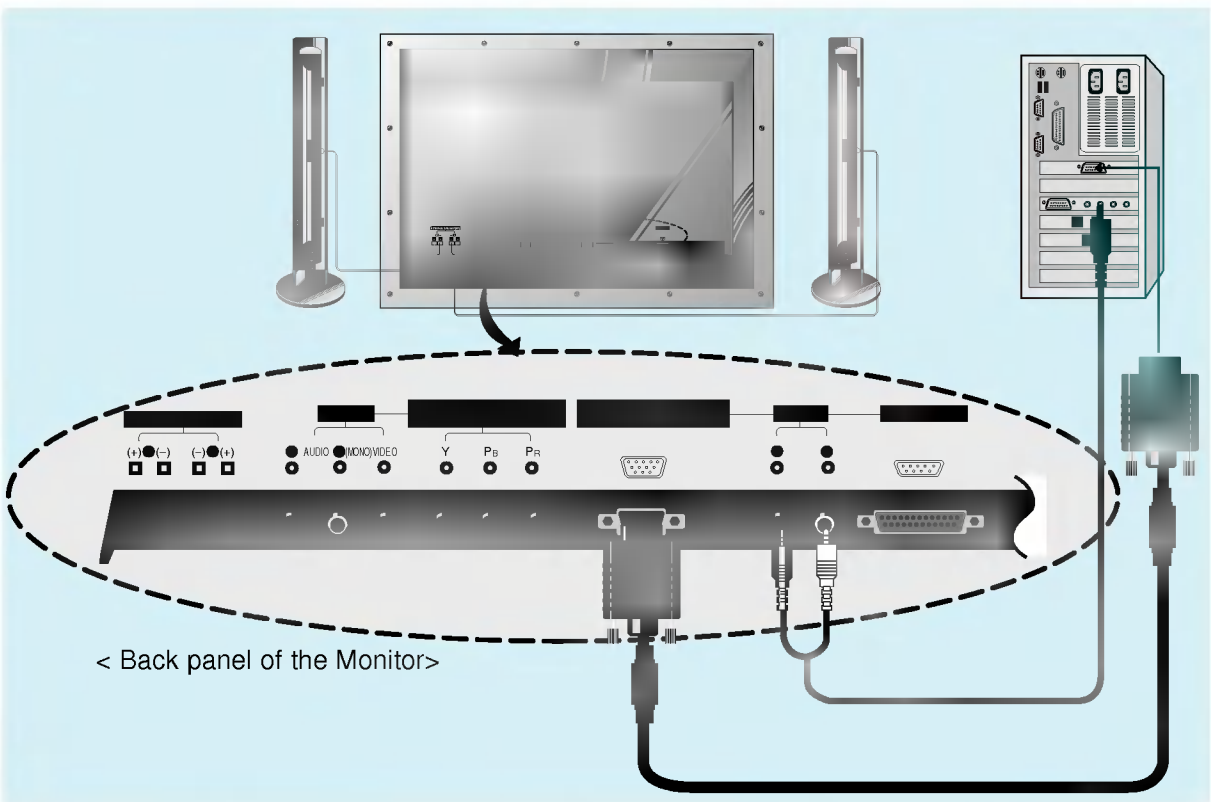
- **Component Input ports**
  You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the Monitor	Y	
Video output ports of DVD player	Y Y Y	Pb B-Y Cb

Connecting PC

- **You can enjoy vivid picture and sound with connecting a PC with the Monitor.**

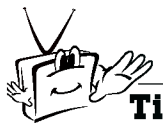
- Set the video mode of PC to VGA/SVGA to obtain the best picture quality for the Monitor.
- If the resolution of PC is over SVGA, there will be no picture on the Monitor.
- Connect the signal cable from the monitor output port of the PC to the RGB-PC INPUT(VGA/SVGA) port of the Monitor.
- Connect the audio cable from the PC to the Audio ports of the Monitor. (Audio cables not included with the Monitor)
- **In case of using a sound card adjust PC sound properly**.



< Back panel of the Monitor>

<On the remote control>

- Press **POWER** button on the PC and press **ON/OFF** button on the Monitor. After this press ⏻/| button on the Monitor or press **POWER** button on the remote control.
- Press **MULTIMEDIA** or **TV/AV** button on the remote control to select **RGB-PC**.
- Set the resolution of PC under SVGA (800x600). (Refer to page 21.)



Tips

- If still picture is on the screen for a long period time, Screen Burn !
- If the resolution of PC is over SVGA, connect to the RGB-PC INPUT(VGA/SVGA) port of the Monitor after changing the resolution of PC under SVGA.
- If picture isn't be displayed properly by connecting a non-standard PC, contact your dealer for more information.

Displayable Monitor Specification

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640x400	37.861	85.08
720x400	31.469	70.08
640x480 (VGA)	31.469	59.94
	35.000	66.66
	37.861	72.80
	37.500	75.00
	43.269	85.00
800x600 (SVGA)	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
	53.674	85.06
832x624	49.725	74.55

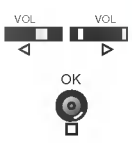
Function checking in PC mode

- Make sure to select **RGB-PC** before operating.

1 Repeatedly press the **MENU** button.

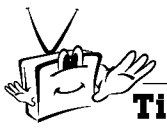
2 Press the ▲ / ▼ button to select a menu item.

- The selected menu item changes from white to purple.



3 Press the ◄ / ► button to change the setting of a menu item.

- Press the **TV/AV** button to exit.



Tips

- Only when **Equalizer** is set to **User**, **Treble** and **Bass** are displayed and can be adjusted.

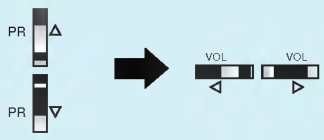
Adjusting in PC mode

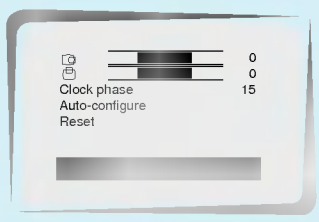
Auto configure

- This function is for the automatic adjustment of the screen position and clock phase.

1 Repeatedly press the **MENU** button to select the special menu.

2 Press the ▲ / ▼ button to select **Auto-configure** and then press the ◄ / ► button.





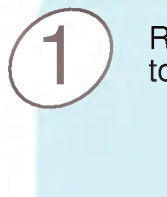
3 Press the **OK** button.

- If picture needs to be adjusted more after auto adjustment, adjust your Monitor's position and clock phase manually.

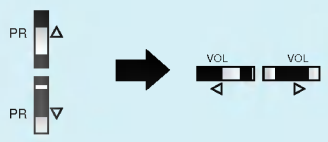
Adjusting in PC mode

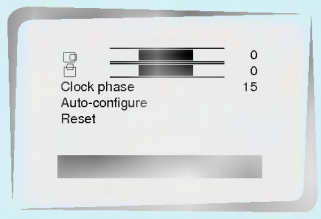
Adjusting horizontal / vertical position

1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select ⧉ or ⧉.





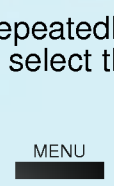
- Select ⧉ for horizontal position adjustment.
- Select ⧉ for vertical position adjustment.

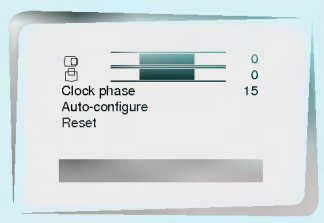
3 Press the ◀ / ▶ button to adjust until you get desired horizontal or vertical position and then press the **OK** button.

Adjusting clock phase

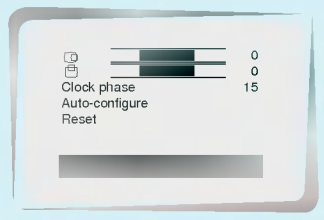
- In case that picture isn't clear after auto adjustment and especially that characters are trembling, adjust phase manually.

1 Repeatedly press the **MENU** button to select the special menu.





2 Press the ▲ / ▼ button to select **Clock phase**.



3 Press the ◄ / ► button to adjust phase and then press the **OK** button.

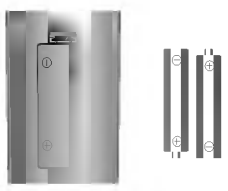
Initializing

- To initialize the adjusted value, select **Reset** with the ▲ / ▼ button and then press the ◄ / ► button.

Using the remote control

- Open the battery compartment cover on the back side and insert the batteries with correct polarity.

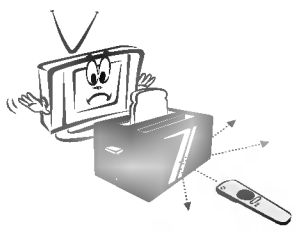
- Apply two 1.5V alkaline batteries of AAA type. Don't mix the used batteries with new batteries.



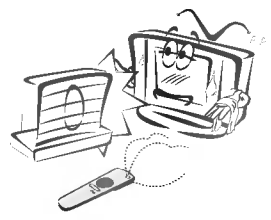
- Install the batteries with the correct polarities.

Notes for using the remote control

Make sure these are no objects between the remote control and its sensor.



Don't place the remote control near a heater or damp place. Strong impact on the remote control may cause operation failure.



Signal from the remote control may be disturbed by sun light or other strong light. In this case, turn the set to other direction.

- **When using the remote control, aim it at its sensor on the Monitor.**

1 Connect power cord correctly.

2 Press the **ON/OFF** button on the Monitor. At this moment, the Monitor is switched to standby mode. Press the ⏻/I , **INPUT SELECT** button on the Monitor or press the **TV/AV**, **MULTIMEDIA** button on the remote control and then the Monitor will be switched on.

1 **If the Monitor is turned off with the ⏻/I button on the Monitor**

- Press the ⏻/I, **INPUT SELECT** button on the Monitor or press the **TV/AV**, **MULTIMEDIA** button on the remote control to turn on the Monitor.

2 **If the Monitor is turned off with the ON/OFF button on the Monitor**

- Press the **ON/OFF** button on the Monitor to turn on the Monitor.

3 **If the Monitor is turned off with the remote control and also the ON/OFF button on the Monitor**

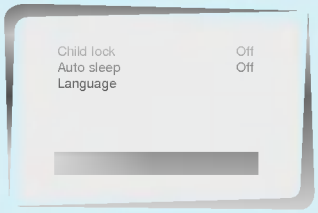
- Press the **ON/OFF** button on the Monitor and then press the ⏻/I , **INPUT SELECT** button on the Monitor or press the **TV/AV**, **MULTIMEDIA** button on the remote control to turn on the Monitor.

Tips

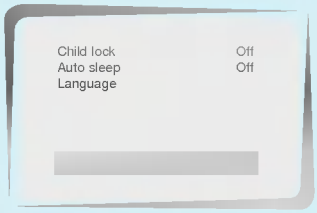
- **Adjusting volume level**
  Volume(▶) button increases the level of sound and volume(◀) button decreases the level of sound.

Selectin

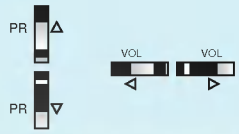
1 Repeatedly press the **MENU** button to select the special menu.



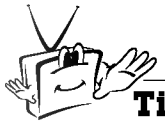
2 Press the ▲ / ▼ button to select **Language** and then press the **OK** button.



3 Press the ▲ / ▼ or ◄ / ► button to select the desired language.



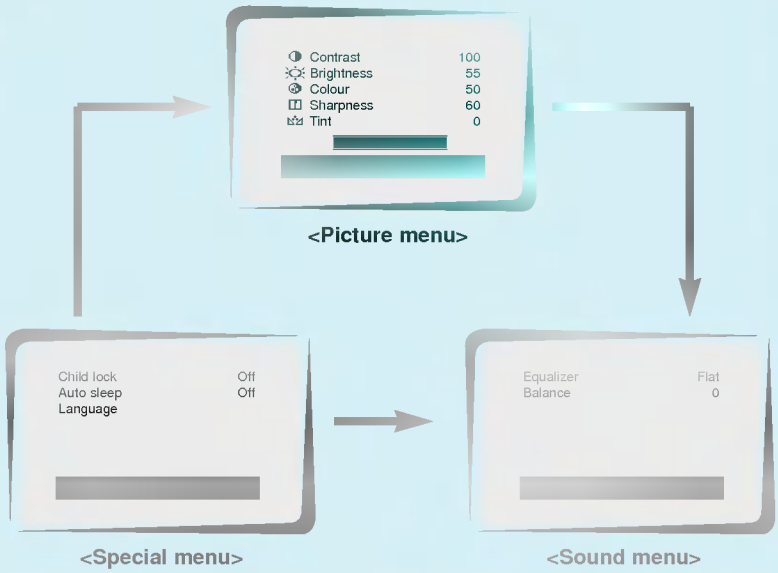
4 Press the **TV/AV** button to exit.



Tips

- You can select your desired language only in AV mode.

1 Repeatedly press the **MENU** button.

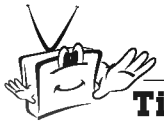


2 Press the ▲ / ▼ button to select a menu item.

- The selected menu item changes from white to purple.

3 Press the ◄ / ► button to change the setting of a menu item.

- Press the **TV/AV** button to exit.

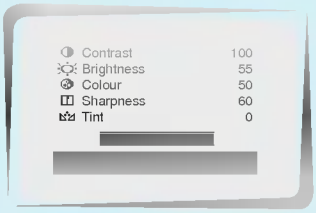


Tips

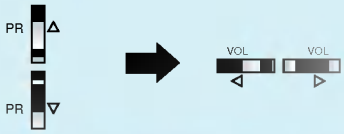
- Only when **Equalizer** is set to **User**, **Treble** and **Bass** are displayed and can be adjusted.
- **Language** is displayed only in AV mode.

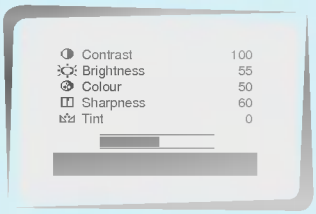
- **You can adjust picture contrast, brightness, colour intensity, sharpness and tint (COMPONENT, RGB-PC mode or NTSC input only) to the levels you prefer.**

1 Repeatedly press the **MENU** button to select the picture menu.

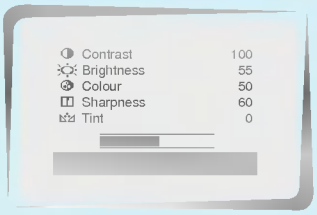


2 Press the ▲ / ▼ button to select the desired picture item and then press the ◄ / ► button to make appropriate adjustments.





3 Press the **OK** button to store it for the picture **User** and then press the **TV/AV** button.



- To recall your preferred setting, press the **PSM** button until the desired picture (**Dynamic**, **Standard**, **Mild** or **User**) appears. The picture **Dynamic**, **Standard** and **Mild** are programmed for good picture reproduction at the factory and cannot be changed.

- **You can watch Plasma Display in various picture formats; 4:3 (Standard), 16:9 (Wide) or Zoom.**

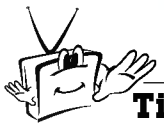
ARC (Aspect Ratio Control)

Repeatedly press the **ARC** button to select your desired picture format.

- **4:3**
  This picture format is 4 to 3 of general Plasma Display.

- **16:9**
  You can enjoy the cinema (the picture format of 16:9) or general Plasma Display programme through the 16:9 mode.
  The screen 16:9 is viewed just like that but the screen 4:3 is magnified to the left and right so that the screen 16:9 is full.

- **Zoom**
  You can enjoy the cinema in a vast screen through the Zoom mode. The screen 4:3 is magnified to the upper/lower sides so that the screen 16:9 is full. The bottom and top of the picture may be lost.

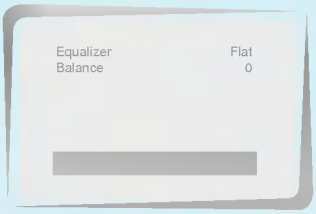


Tips

- When you switch the Monitor to standby or off, the **16:9** or **Zoom** picture format is reset to the **4:3**.
- In COMPONENT mode, this function doesn't work.
- Only when receiving RGB-PC signal (over 800 x 600) in RGB-PC mode, you can select **Zoom**.

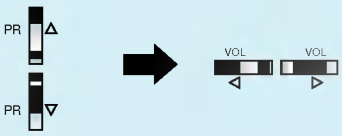
- **You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust balance, treble and bass.**

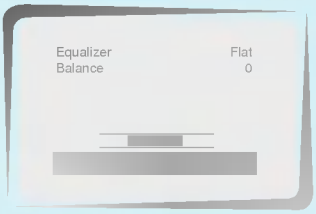
1 Repeatedly press the **MENU** button to select the sound menu.

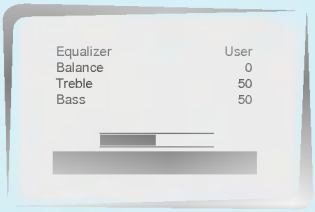


2 Press the ▲ / ▼ button to select the desired sound item and then press the ◄ / ► button to make desired adjustments.

- In case of **Equalizer User**, you can adjust **Treble** and **Bass**.





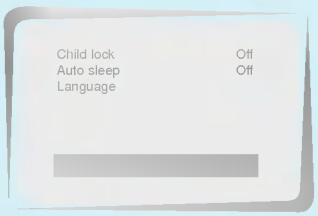


- To recall your preferred setting, press the **SSM** button until the desired sound (**Flat**, **Music**, **Movie**, **Speech** or **User**) appears. The sound **Flat**, **Music**, **Movie** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

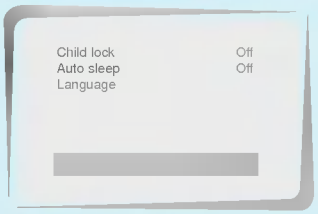
3 Press the **TV/AV** button to exit.

- **The Monitor can be set so that the remote control is needed to control it. This feature can be used to prevent unauthorized viewing.**

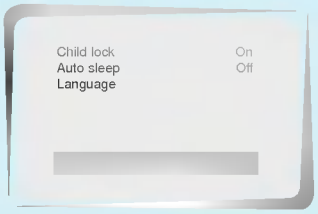
1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select **Child lock**.



3 Press the ◀ / ▶ button to select **On**.

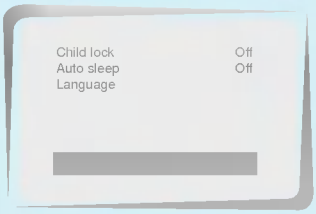


- With the lock on, the display Child lock on appears on the screen if any button on the Monitor is pressed while viewing the Plasma Display.

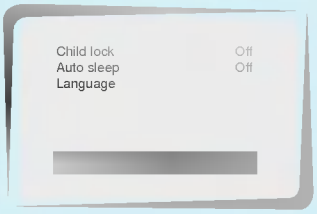
4 Press the **TV/AV** button to exit.

- **If you select Auto sleep On, the Monitor will automatically switch itself to standby mode approximately ten minutes after no input signal.**

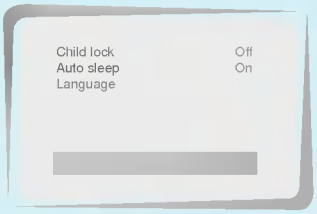
1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select **Auto sleep**.



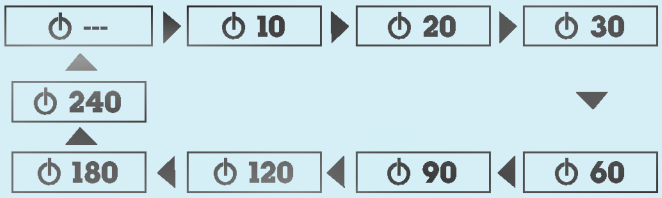
3 Press the ◄ / ► button to select **On**.



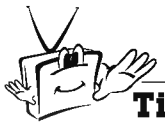
4 Press the **TV/AV** button to exit.

- **You don't have to remember to switch the Monitor off before you go to sleep. The sleep timer automatically switches the Monitor to standby after the preset time elapses**

Press the **SLEEP** button to set sleep time.
Each time you press this button setting time is changed as below.



- To release sleep time setting, press the **SLEEP** button repeatedly to select ⏻ ---.



Tips

- To view the remaining sleep time, press the **SLEEP** button once.
- When you switch the Monitor off, the Monitor releases the preset sleep time.

Troubleshooting check list

No picture & No sound	• Check whether the Monitor is turned on. • Check the power cord. • Plug another product's power cord into the wall outlet where the Monitor's power cord was plugged in.
Picture OK & No sound	• Press the **VOLUME** (►) button.
The remote control doesn't work	• Check to see if there is any object between the Monitor and the remote control causing obstruction. • Check to see if the batteries are installed with the correct polarities. (Refer to p.26) • Replace new batteries. (Refer to p.26)
No or Poor colour or Poor picture	• Adjust picture items in the picture menu. (Refer to p.30) • Keep a certain distance between the Monitor and the VCR. • Activate any function to restore the brightness of the picture. (If still picture is on the screen for more than 5 minutes, the screen gets dark.)
Poor stereo sound	• Check the kind of input signal.
No output from one of the Speakers	• Adjust **Balance** in the sound menu. (Refer to p.32)
Strange sound from the Monitor	• The reason strange sound comes from the Monitor when turning the Monitor on or off is due to the signals being input or output to the Monitor. This strange noise does not mean that the Monitor is faulty.

Width (inches)	36.6
Height (inches)	28
Depth (inches)	3.1
Weight (pounds)	71.8
Power requirement	AC110-240V ~ 50/60Hz
Resolution	640 x 480 (Dot)
Colour	16,770,000 (256 steps of each R, G and B)

- This product specifications above can be changed without notice for quality improvement.