# 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 :

MP-60PZ10/11
MP-60PZ10B/11B
MP-60PZ10G/11G
MP-60PZ10K/11K
MP-60PZ10S/11S

OWNER'S MANUAL
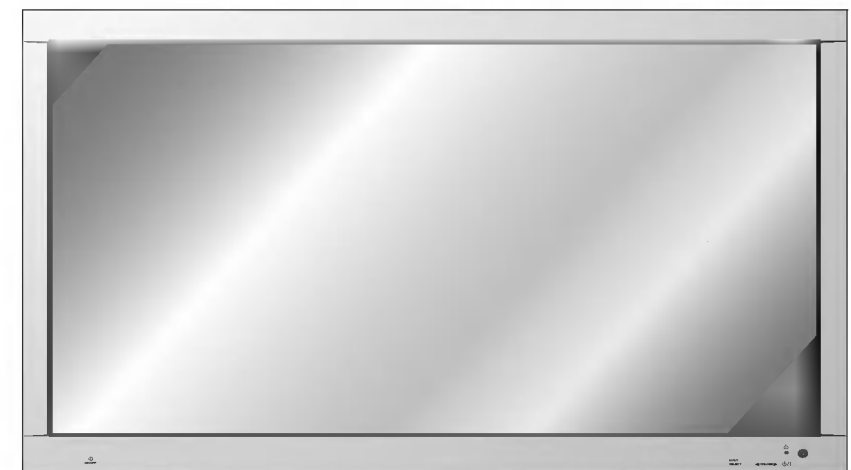
FCC NOTICE

- **MP-60PZ11/B/G/K/S : A Class A digital device**

  This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- **MP-60PZ10/B/G/K/S : A Class B digital device**

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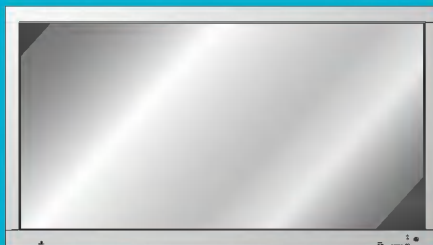 - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

WARNING

This is Class A and 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.

Contents

After reading this manual, keep it in the place where the user can always contact easily.
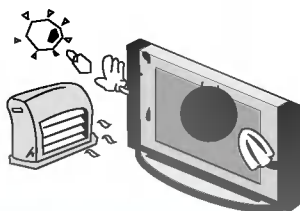
Safety Instructions

- **It is recommended that this product only be used at an altitude of less than 6562 feet (2000m) to get the best quality picture and sound.**

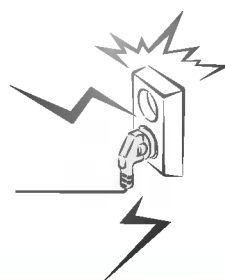## Indoor Installation

⚠ 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

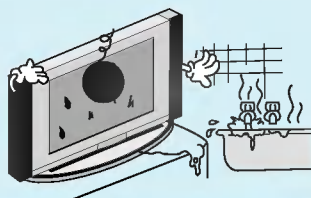Disconnect from the mains and remove all connections before moving.

Outdoor Installation

⚠ WARNING

Do not use the Monitor in damp place such as a bathroom 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 prevent rain from flowing in.

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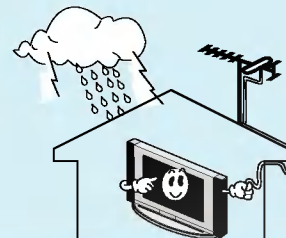
⚠ WARNING

The plug should fit into the power outlet completely.

- This may cause a fire.

⚠ NOTES

Never touch the power plug with a wet hand

- This may cause an electric shock.

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

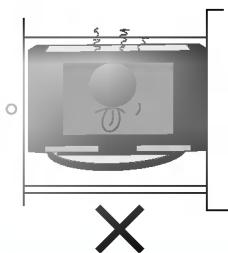⚠ **NOTES**   **The violation of this instruction may cause light injuries or damage of the product.**

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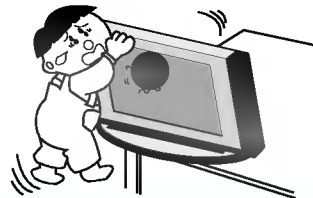

⚠ NOTES

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

- Ventilation required.

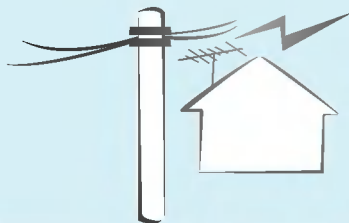**When installing the Monitor on a table, be careful not to place the edge of its stand.**

- 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.
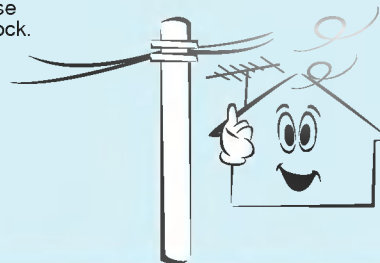
⚠ NOTES

Do not pull the cord but the plug when unplugging.

- This may cause a fire.
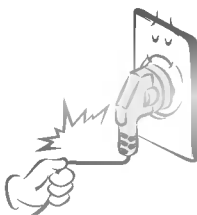
Ensure the power cord doesn't trail across any hot objects like a heater.

- This may cause a fire or an electric shock.
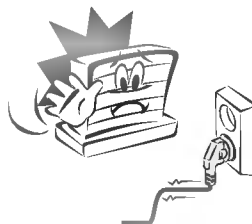
Do not plug when the power cord or the plug is damaged or the connecting part of the power outlet is loose.

- This may cause a fire or an electric shock.

Connections

Basic operation

Sleep timer

Picture & Sound

Special features

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.
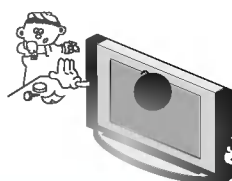
Do not place heavy objects on the Monitor.

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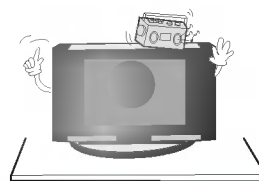
⚠️ **WARNING**

Do not use water the Monitor while cleaning.

- This may cause damaged the Monitor or could give an electric shock.
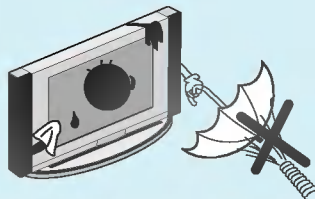
In case of smoke or strange smell from the Monitor, switch it off ,unplug it from the wall outlet and contact your dealer or service center.

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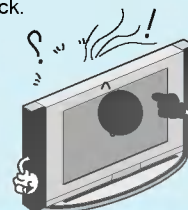
⚠️ **WARNING**

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

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 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.
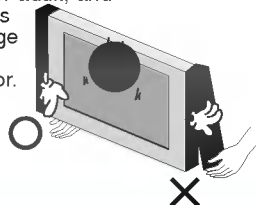
Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 4:3 picture format or if a CH label is present; the fixed image may remain visible on the screen.

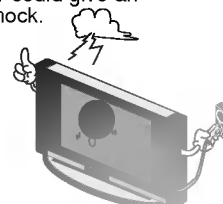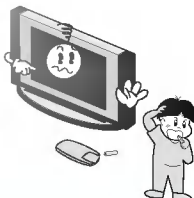## ⚠ NOTES

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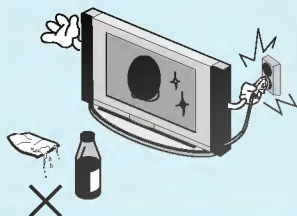
Contact the service center once a year to clean the internal part of the Monitor.

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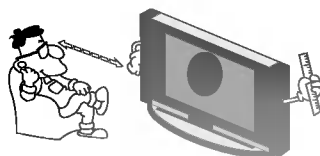
Unplug the Monitor from the wall outlet when it is left unattended and unused for long periods of time.

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

Only use the specified batteries.

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

Controls of the Monitor

<Front Panel Controls>

Main power button

ON/OFF

Power standby indicator
Illuminates red in standby
mode Illuminates green
when the Monitor is turned
on

INPUT
SELECT

◄ VOLUME ►

INPUT SELECT button

Sub power button

VOLUME (◄,►) buttons

Remote control sensor

<Back Panel>
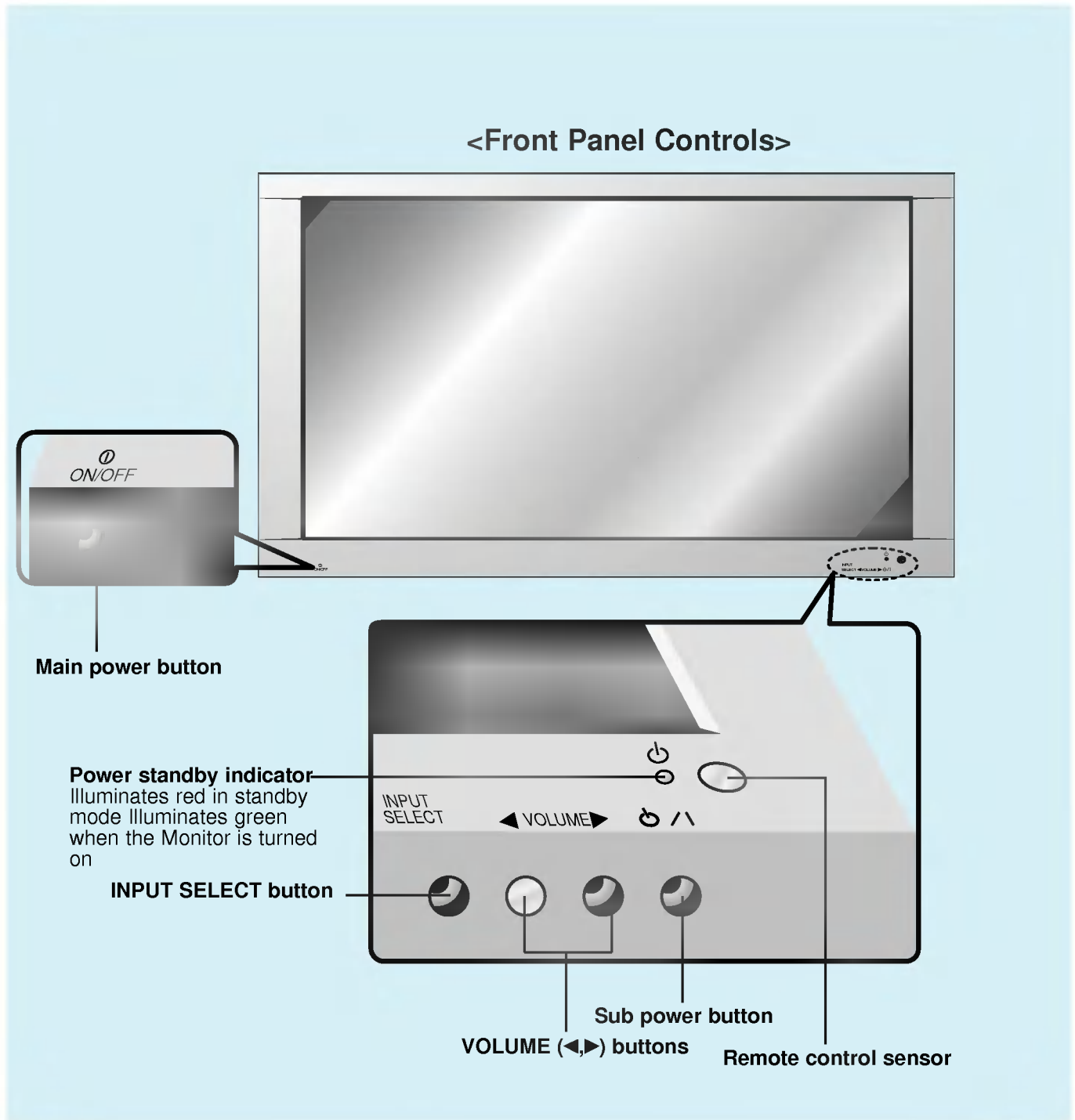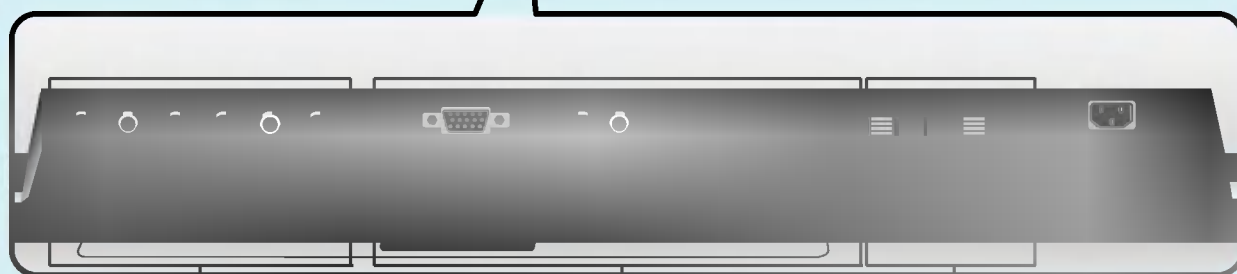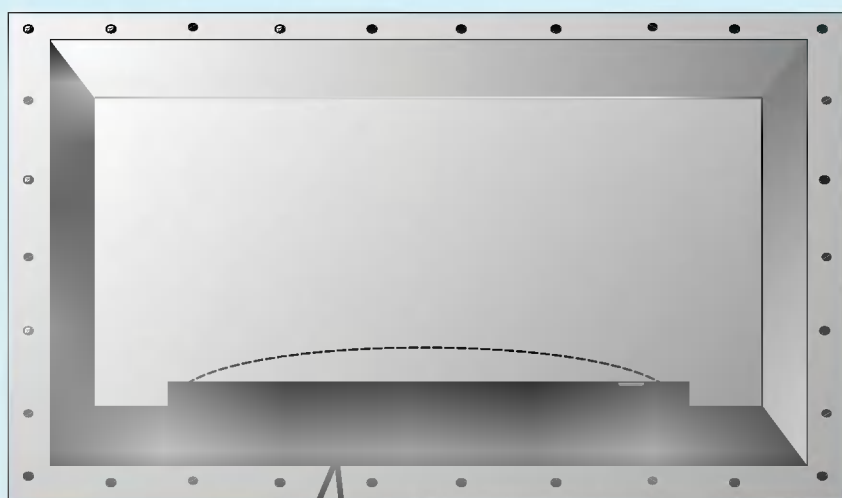
**AV INPUT /
COMPONENT (480i/480p/720p/1080i)
DVD/DTV INPUT jacks**

**EXTERNAL SPEAKER
(8 ohm output)**

**RGB-PC INPUT (VGA/SVGA/XGA/SXGA)
RGB-DTV INPUT (480p/720p/1080i) /
AUDIO INPUT jacks**

Accessories

D-sub 15 pin cable

Power cord

Remote control handset

Owner's Manual
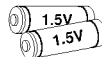
Alkaline batteries

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.
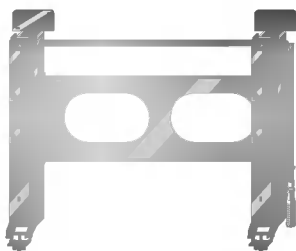
AP-60WA20M/B
(Tilt wall mounting bracket)
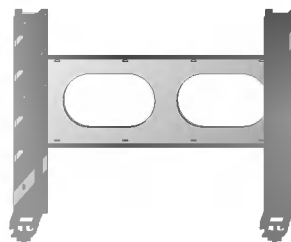
AP-60WA10/B
(Wall mounting bracket)

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-60CA10/B
(Ceiling mounting bracket)

AP-60FA10/B/G/K/S
(Floor type stand)

AP-60DA10/B/G/K/S
(Desktop stand)
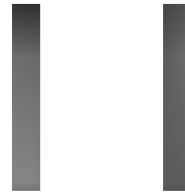
AP-60SA10/B/G/K/S
(Speakers)

AP-60SA10D/B/G/K/S
(Speaker stand)

AP-60SA10F/B/G/K/S
(Floor type speaker stand)

Video cables

Audio cables

Controls of the remote control

- When using the remote control aim it at the remote control sensor of the Monitor.

POWER

SLEEP (Refer to p.35)

APC (Refer to p.36)

ARC (Refer to p.45)

PIP (Refer to p.27)

PIP INPUT (Refer to p.28, 30)

MENU

OK

VOLUME (◄, ►)

OK

VOL

VCR BUTTONS

controls a LG video cassette recorder.

POWER STOP ■ P/STILL ❙❙
◄◄ REW   FF ►►
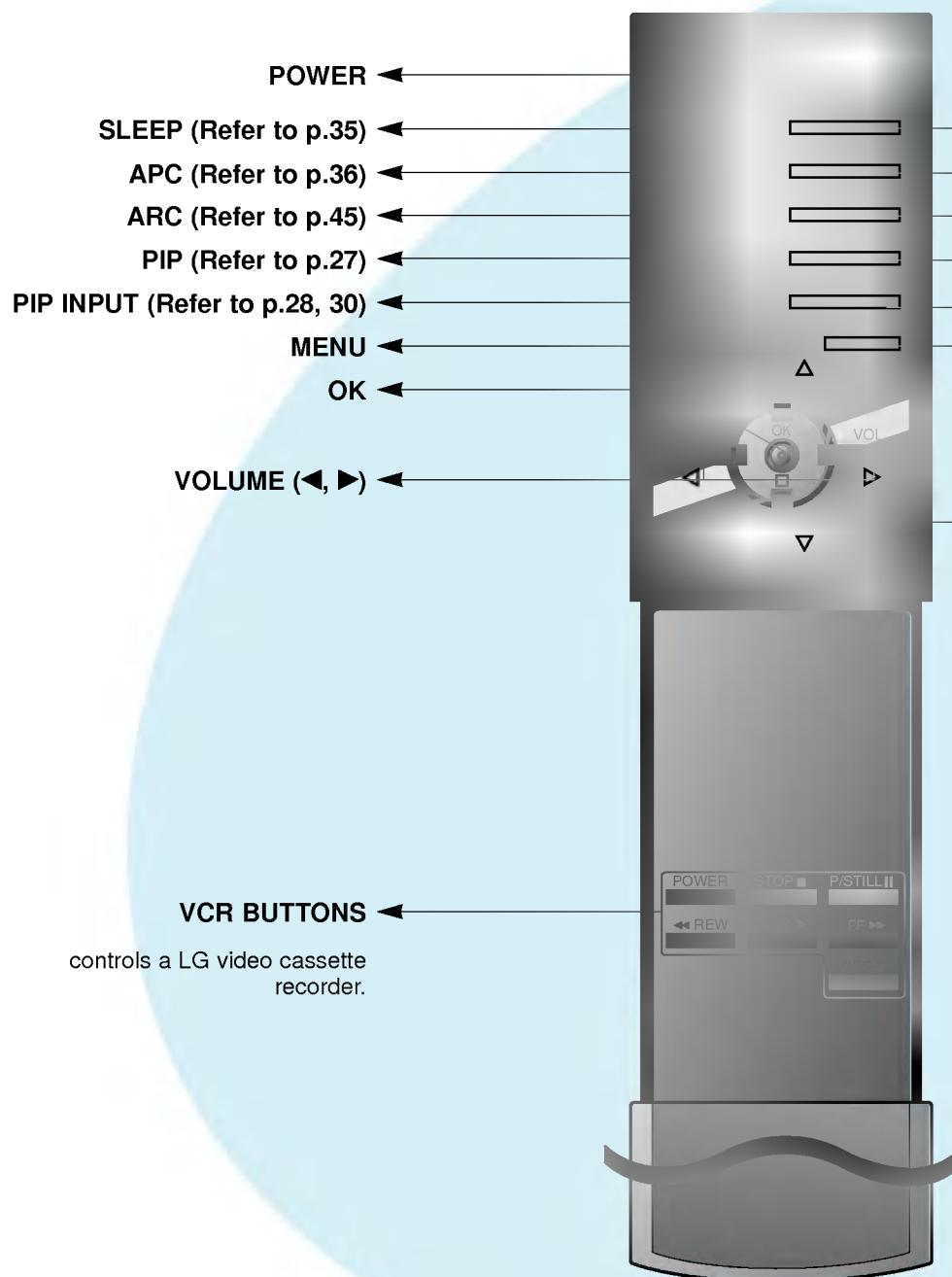
INPUT SELECT

DASP (Refer to p.41)

STILL (Refer to p.43)

TWIN PICTURE (Refer to p.30)

POSITION (Refer to p.28)

MUTE
switches the sound on or off.

▲ / ▼
selects a menu item.

INPUT SELECT button on the remote control

Each press of this button changes the mode as shown below.

COMPONENT

Monitor Installation

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

Wall Mount Installation
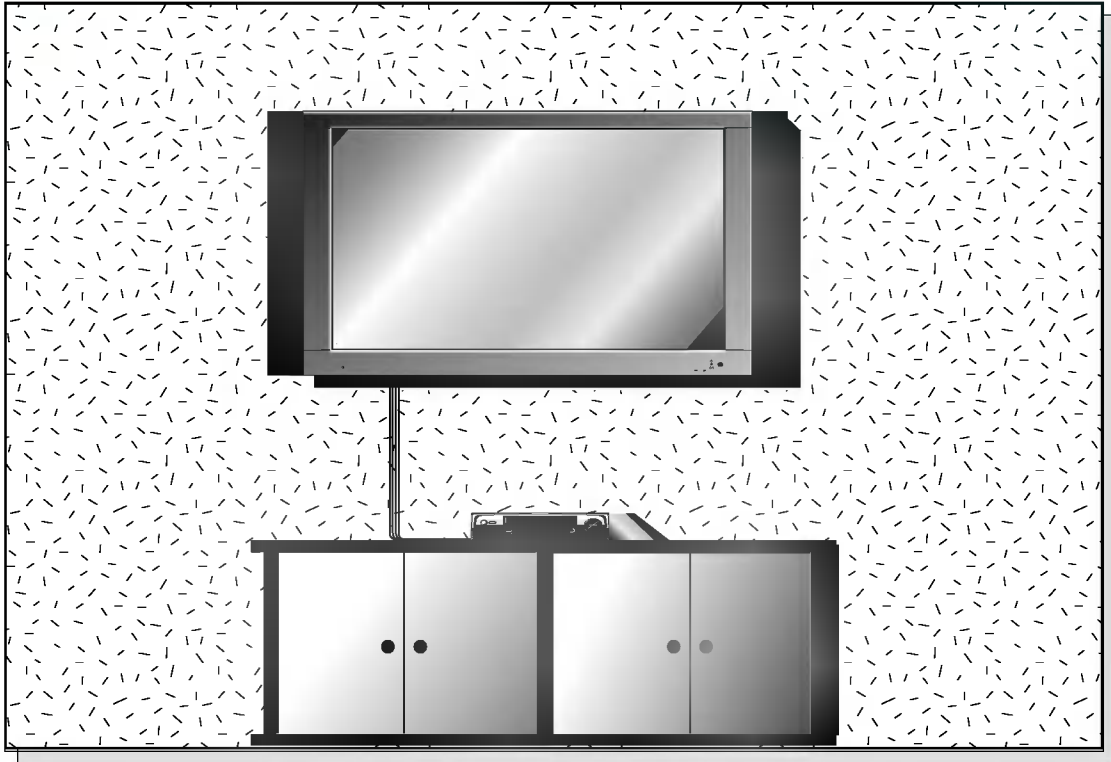
- The monitor can be installed on the wall as the picture above.
  (For further information, refer to '(Tilt) wall mounting bracket Installation and Setup Guide'.)

Tips

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

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

  1.18Inch
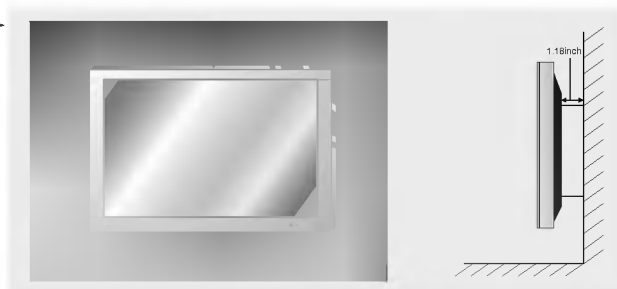
Desktop Pedestal Installation

- The Monitor can be installed on a desk as shown above.
  (For further information, refer to the optional 'Desktop Stand Installation and Setup Guide'.)

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

1.18inch
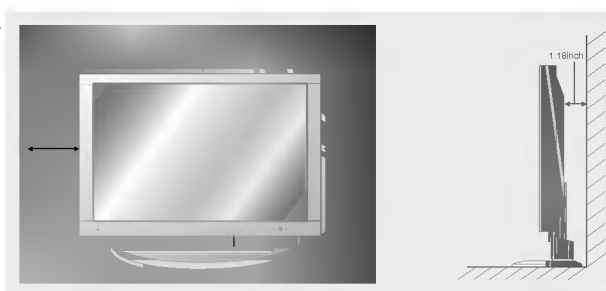
Watching VCR

- When connecting the Plasma Monitor with external equipments, match the colors 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 Plasma Monitor.

- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.

- Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 4:3 picture format or if a CH label is present; the fixed image may remain visible on the screen.

< Back panel of the Monitor >

S-VIDEO OUT
(R) AUDIO (L)   VIDEO
IN

<Back panel of VCR>

INPUT SELECT

To watch VCR

1 Press **INPUT SELECT** button on the remote control and select **VIDEO**.

2 Insert a video tape into the VCR and press the **PLAY** button on the VCR. See VCR owner's manual.
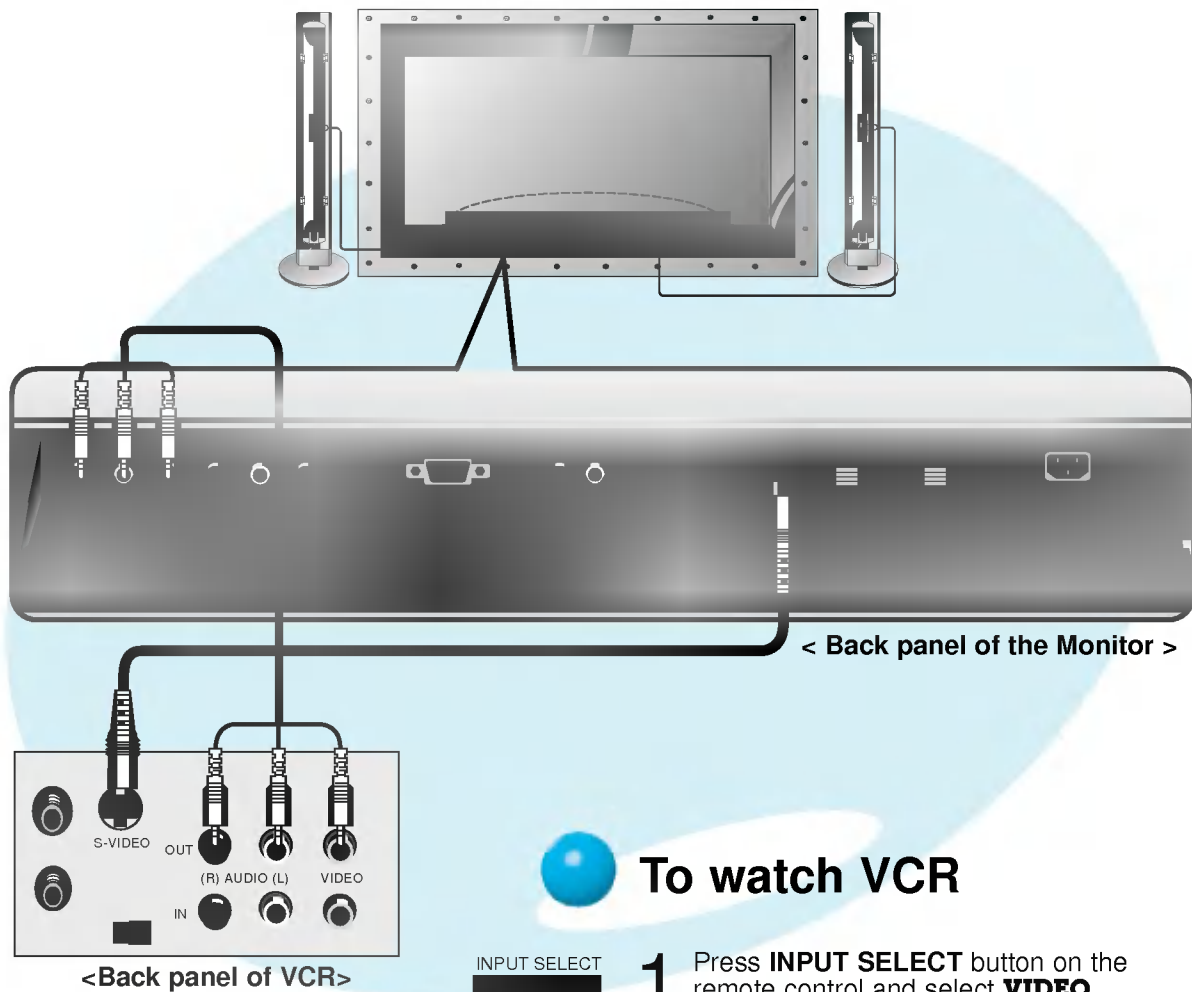
Tips
- To avoid picture noise (interference), leave an adequate distance between the VCR and monitor.

Watching Cable TV

- After subscribing to a cable TV service from a local provider and installing a converter, you can watch cable TV programming.

< Back panel of the Monitor >

TV

VCR

AUDIO   VIDEO

RF   Cable

<Cable box>
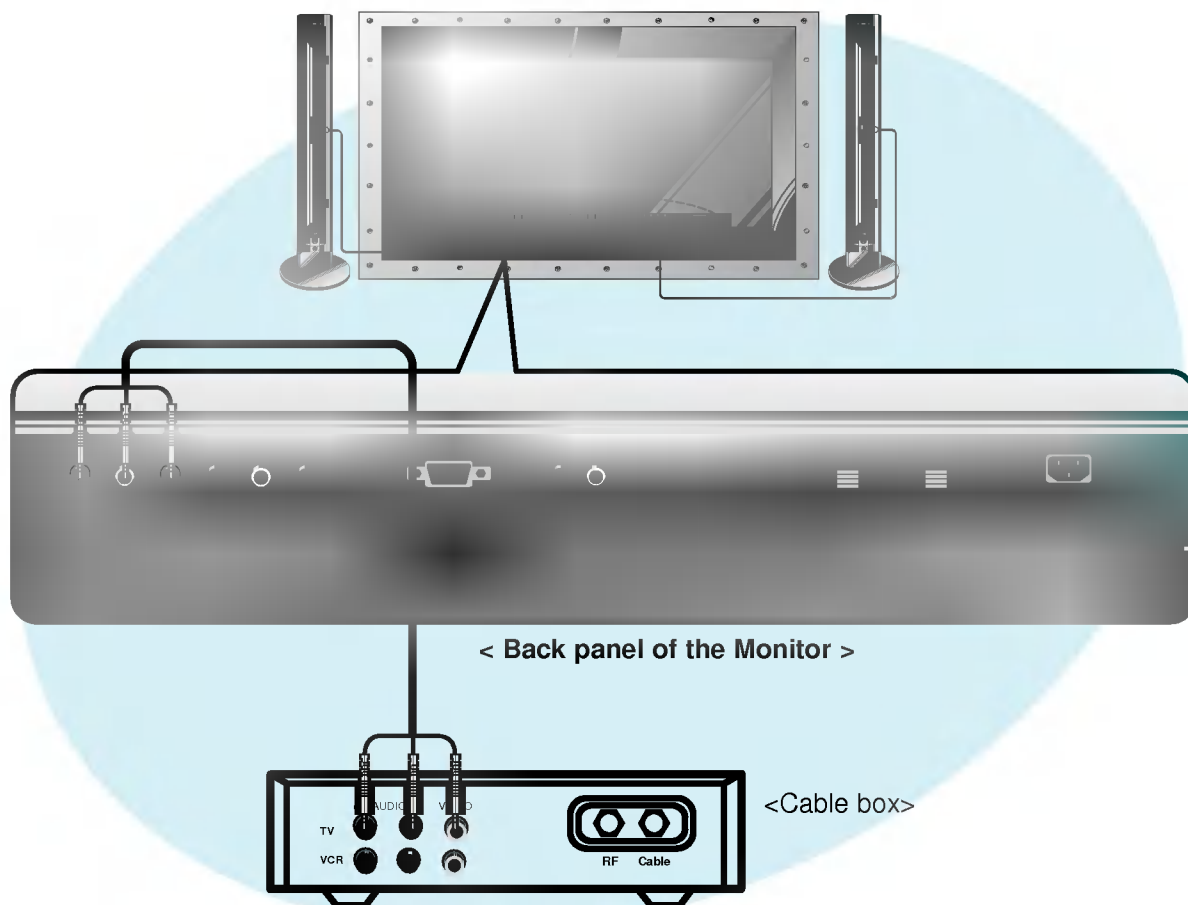
To watch cable TV

1 Press **INPUT SELECT** button on the remote control and select **VIDEO**.

INPUT SELECT

2 Tune to cable service provided channels using the cable box.

Tips

- For further information regarding cable TV service, contact your local cable TV service provider(s).

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Watching external AV source

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

< Back panel of the Monitor >

R —AUDIO— L   VIDEO

Camcorder

Video game set

DDR
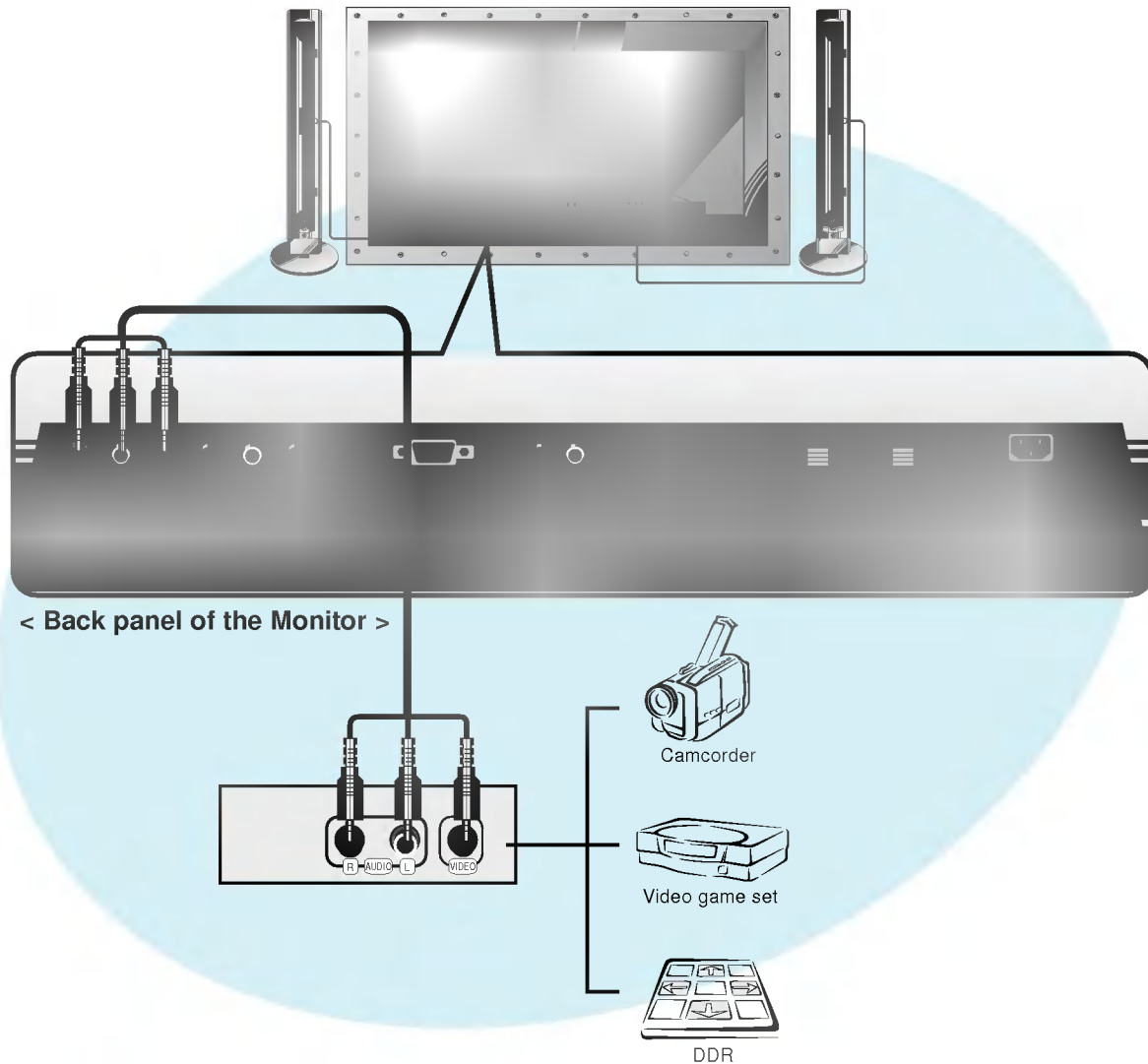
To watch external AV source

1 Press **INPUT SELECT** button on the
remote control of the monitor to select
VIDEO.

INPUT SELECT

2 Operate the corresponding external equipment.

Watching DVD

● How to connect

• Connect DVD video inputs to Y, P_B, P_R of COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) and audio inputs to Audio sockets of AV INPUT.

< Back panel of the Monitor >

(R) AUDIO (L)   Y P_B P_R

< Back panel of a DVD player>
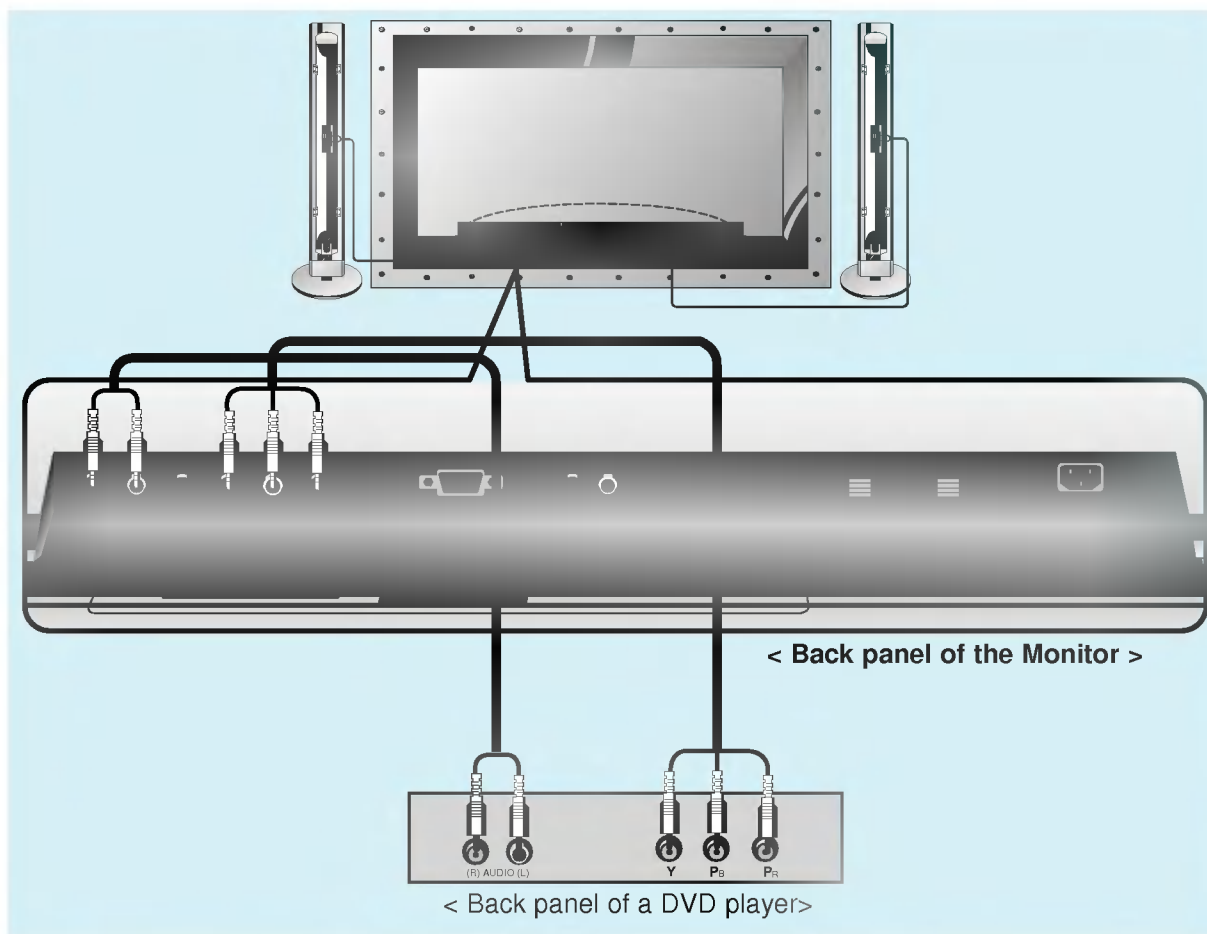
● How to use

• Press **INPUT SELECT** button on the remote control of the monitor 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	Pb
	Y	B-Y
	Y	Cb
	Y	P_B

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Watching DTV

- **If you want to watch digital broadcasting programms you should purchase a digital SET-TOP BOX.**
- **You can select only the 16:9 picture format in DTV 720p / 1080i mode.**

How to connect

- Connect DTV video inputs to Y, P_B, P_R of COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) or RGB-PC INPUT(VGA/SVGA/XGA/SXGA) RGB-DTV INPUT(480p/720p/1080i) socket and connect DTV audio inputs to Audio sockets of AV INPUT.

< **Back panel of the Monitor** >

or

< Back panel of a digital SET-TOP BOX>

(R) AUDIO (L)   Y   P_B   P_R

(R) AUDIO (L)   DTV OUTPUT
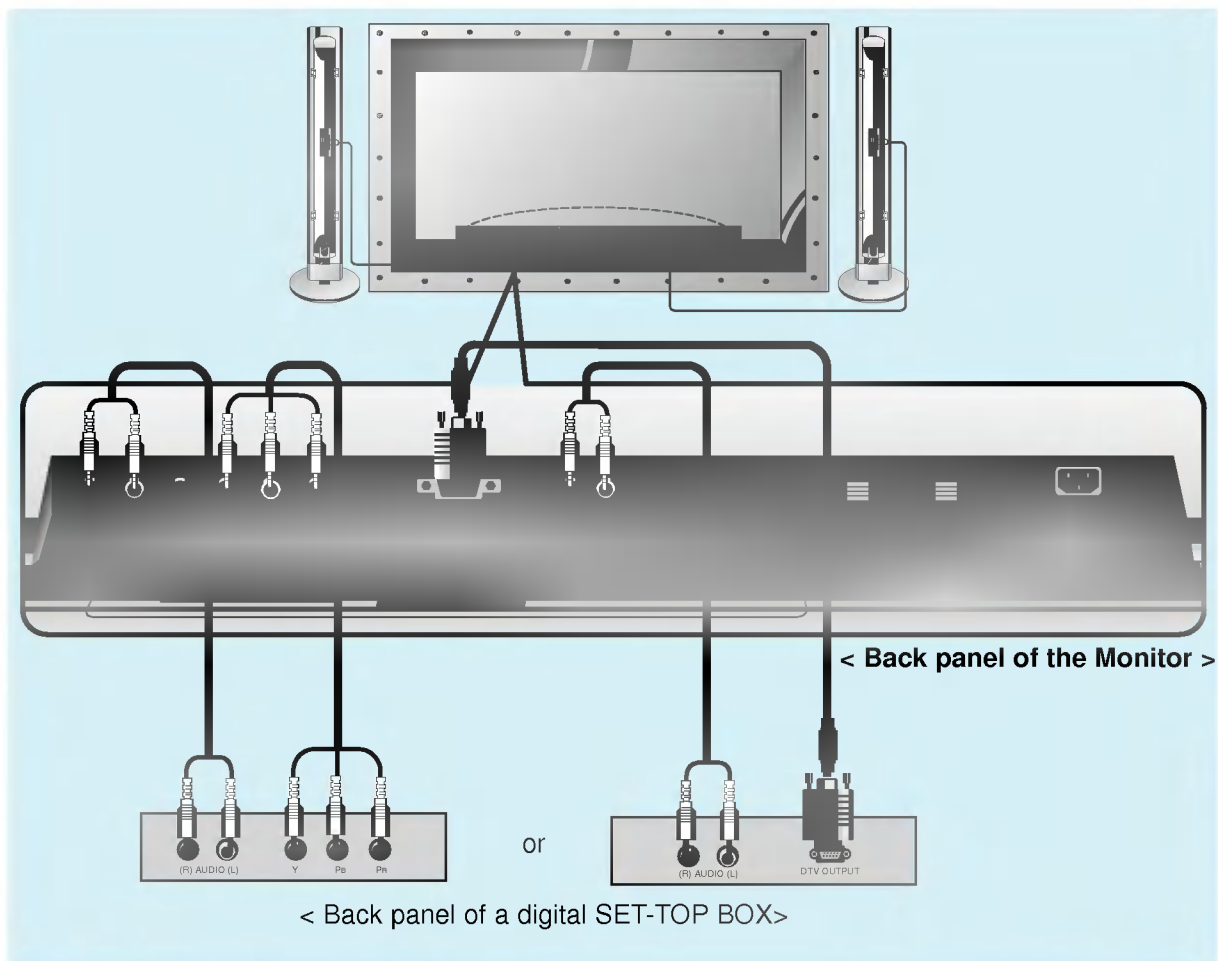
How to use

- Press **INPUT SELECT** button on the remote control to select **COMPONENT** or **RGB**.
- Try this after turning on the digital SET-TOP BOX.
  (Refer to the owner's manual of the digital SET-TOP BOX.)

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Connecting PC

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

- If the resolution of PC is over UXGA, 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/CGA/SXGA) RGB-DTV INPUT(480p/720p/1080i) 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)
- Select normal monitor to use as monitor because this monitor doesn't supply a Plug & Play function.
- **In case of using a sound card adjust PC sound properly**.
- To setup this monitor in your PC windows environment, select Normal, Standard or Default monitor. This monitor does not support Plug and Play functionality.

< Back panel of the Monitor >

INPUT SELECT

<On the remote control>

- Press **POWER** button on the PC and press **ON/OFF** button on the Monitor. After this press ⏻/I button on the Monitor or press **POWER** button on the remote control.
- Press **INPUT SELECT** button on the remote control to select **RGB**.
- Set the resolution of PC under SXGA (1280x1024, 75Hz). (Refer to page 22.)
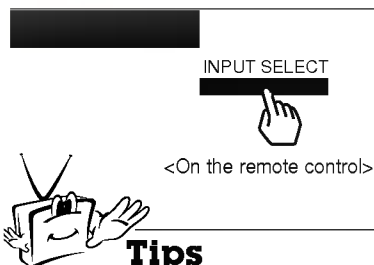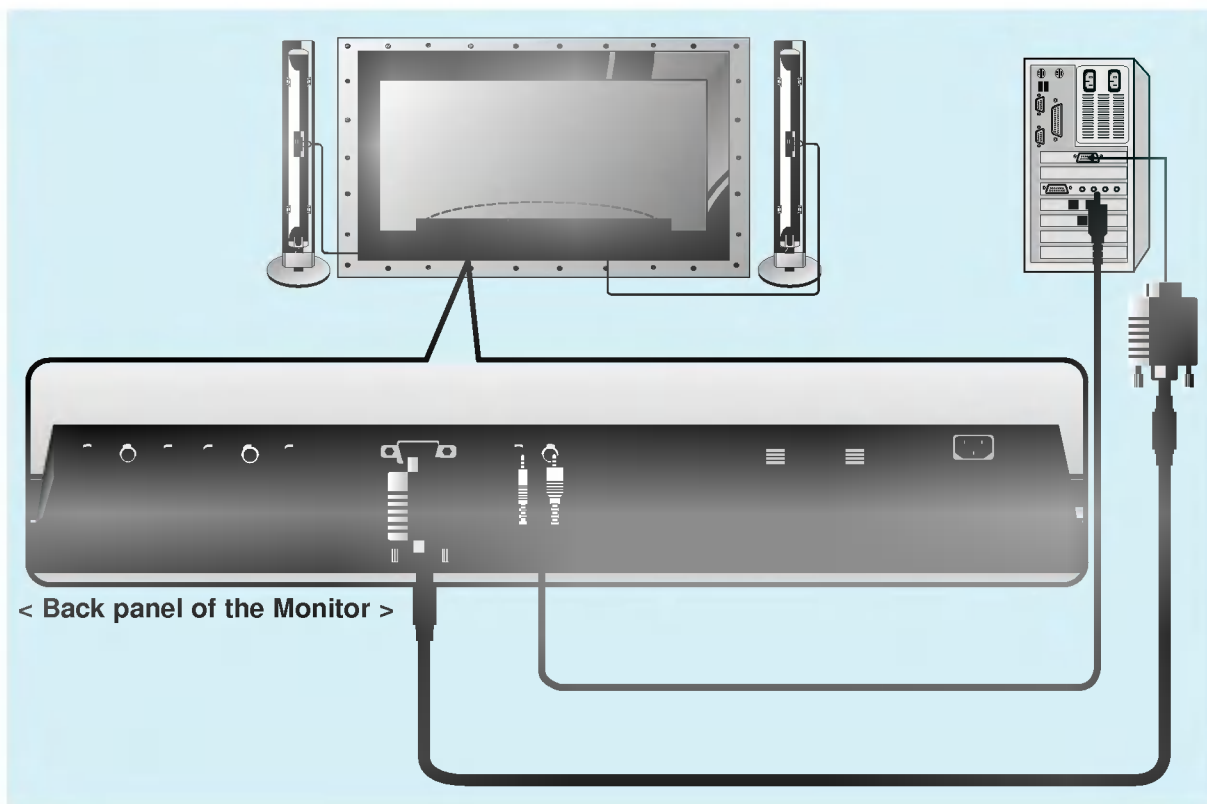
Tips
- If the resolution of PC is over SVGA, connect PC to the RGB-PC(VGA/SVGA/XGA/SXGA) port of the Monitor after changing the resolution of PC.

Displayable Monitor Specification

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640x350	31.468	70.09
	37.861	85.08
720x400	31.469	70.08
	37.927	85.03
640x480	31.469	59.94
	35.000	66.66
	37.861	72.80
	37.500	75.00
	43.269	85.00
	45.913	90.03
	53.011	100.04
	64.062	120.00
800x600	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
	53.674	85.06
	56.000	90.00
	64.016	100.00
832x624	49.725	74.55
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02
	68.677	84.99
1152x864	54.348	60.05
	63.995	70.01
	67.500	75.00
	77.487	85.05
1152x870	68.681	75.06
1280x960	60.000	60.00
	75.000	75.00
1280x1024	63.981	60.02
	79.976	75.02

Function checking in PC mode

- **Select RGB input source.**

MENU

1 Press the **MENU** button.

2 Press the ▲ / ▼ button.
• Each time you press this button you can see menus as below.

PICTURE

◆MOVE ►NEXT ■EXIT

<Picture menu>

SOUND

◆MOVE ►NEXT ■EXIT

<Sound menu>

SPECIAL

◆MOVE ►NEXT ■EXIT

<Special menu>
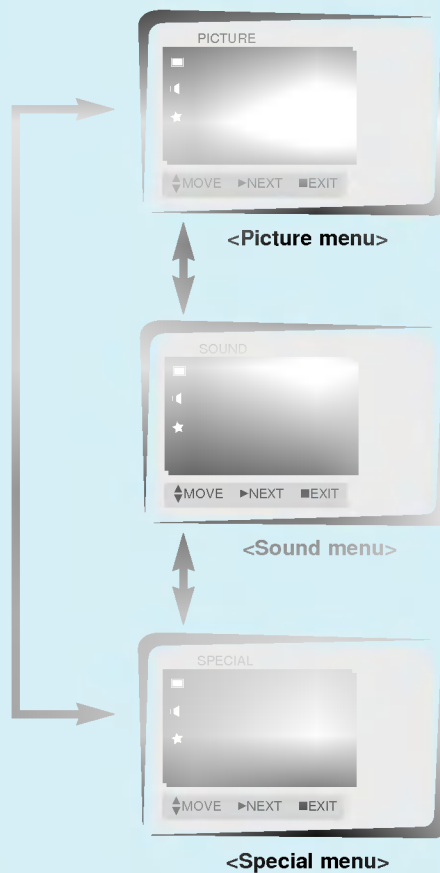
• The PIP works in VGA, SVGA, XGA, 60Hz.
• The TWIN PICTURE works in VGA, 60Hz.

VOL   VOL

3 Press the ► button and then press the ▲ / ▼ or ◄ / ►
button to select a function you want to use.
• Press the **OK** button to exit.

Adjusting in PC mode

Auto adjustment

- Select **RGB** input source.
- Automatically adjusts picture position and eliminates any image shaking.
- When watching PIP/TWIN PICTURE, **SCREEN** option is not available in Special menu.

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **SPECIAL** menu.
Press the ▶ button.

MENU ➡ ➡ VOL ▶

1 Press the ▲ / ▼ button to select **SCREEN** and then press the ▶ button.

VOL ▶

SPECIAL
LANGUAGE ▶
ARC ▶
SCREEN ▶
TRANSPARENCY ▶
PIP/DW ▶

2 Press the ▲ / ▼ button to select **AUTO.CONFIG.** and then press the ▶ button.

VOL ▶

AUTO.CONFIG

- When **AUTO.CONFIG.** has finished, "**OK**" will be shown on screen.
- If the position of the image is incorrect, try Auto adjustment again.

3 If picture needs to be adjusted more after Auto adjustment, adjust **H-POSITION**, **V-POSITION** and **PHASE**.

Tips

- If the image is still not correct, your Monitor is functioning properly but needs further adjustment.

Adjusting horizontal / vertical position

- Only adjust **V-POSITION** and **H-POSITION** in DTV or COMPONENT 480p/720p/1080i.
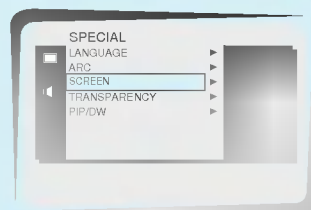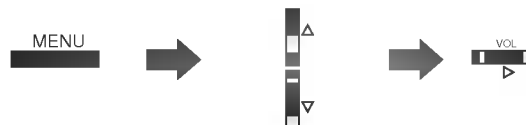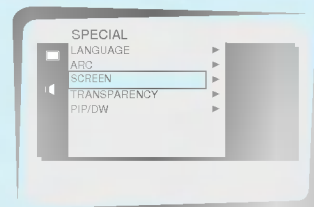
READY

Press the **MENU** button and then press the ▲ / ▼ button to select **SPECIAL** menu.
Press the ► button.

MENU

VOL

1 Press the ▲ / ▼ button to select **SCREEN** and then press the ► button.

VOL

SPECIAL
LANGUAGE ►
ARC ►
SCREEN ►
TRANSPARENCY ►
PIP/DW ►

2 Press the ▲ / ▼ button to select **V-POSITION** or **H-POSITION** and then press the ► button.

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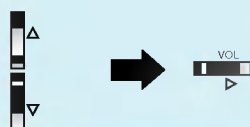
3 Press the ◄ / ► button to adjust until you get desired horizontal or vertical position and then press the **OK** button.

- The adjustment range of **V-POSITION** is -50 ~ +50.
- The adjustment range of **H-POSITION** is -100 ~ +100.
- Based on the input mode, the adjustment range of **V-POSITION/H-POSITION** may change.
- Based on the input signal, the position of the picture may not change even though you have adjusted the horizontal or vertical position with this function.

VOL VOL

OK
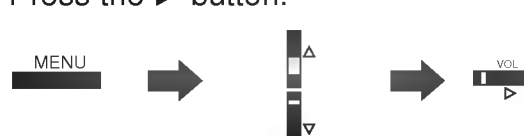
Adjusting in PC mode

Adjusting phase

- If the picture isn't clear after auto adjustment and especially that characters are still trembling, then adjust the picture phase manually.
- When watching PIP/TWIN PICTURE, **SCREEN** option is not available in Special menu.

Press the **MENU** button and then press the ▲ / ▼ button to select **SPECIAL** menu.
Press the ► button.

1 Press the ▲ / ▼ button to select **SCREEN** and then press the ► button.

SPECIAL
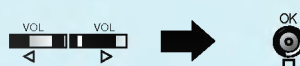LANGUAGE
ARC
SCREEN
TRANSPARENCY
PIP/DW
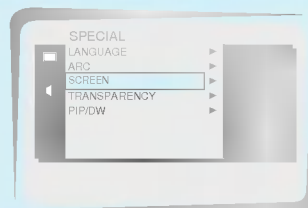
2 Press the ▲ / ▼ button to select **PHASE** and then press the ► button.

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

- The adjustment range of **PHASE** is 0 ~ 63.

Initializing

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

PIP function

- Select **RGB** input source before pressing PIP.
- This function works only in the following resolutions;
  640x480, 800x600, 1024x768 (only in Vertical frequency 60 Hz)
- When you select RGB or DTV for main picture in PIP/Twin picture, you can watch video, cable TV or DVD for sub picture.
- Color of main picture may be different from sub picture's in PIP/Twin picture mode.
- If input source for main picture is changed while in PIP/Twin picture mode, sub picture will disappear.
- When watching PIP/Twin picture, **SCREEN** option is not available in Special menu.
- With PIP active, not all picture formats can be used for the main/sub picture.

● Watching the PIP (Picture in Picture)

PIP

Press the **PIP** button.

• Each time you press **PIP** or ◄ / ► button, you can change the PIP size as below.

PIP [S]	◄──►	**PIP [L]**	◄──►	**OFF**

◄ PIP [S] ►

<Small PIP>

◄ PIP [L] ►

<Large PIP>

◄ OFF ►

<Off>
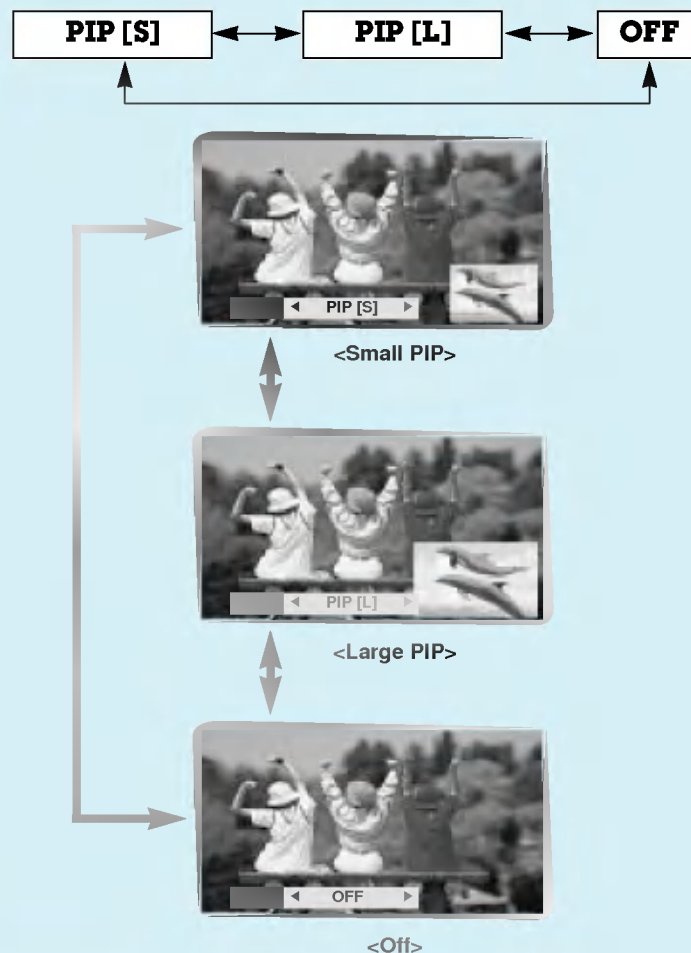
PIP function

● Selecting the source input signal
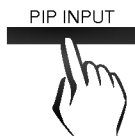
PIP INPUT

Press the **PIP INPUT** button in PIP mode.

- Each time you press **PIP INPUT** button, you toggle between **VIDEO** and **COMPONENT**.

  COMPONENT source only works in 480i mode.

● Moving the Sub picture

POSITION

Press the **POSITION** button in PIP mode.

- Each press of the **POSITION** button will change the position of the sub picture on the screen as shown below.

Selecting PIP sound options

- This function only works with the following resolutions;
  640x480, 800x600, 1024x768 (only in Vertical frequency 60 Hz)
- To use this function, connect PC/DTV video output to RGB-PC INPUT
  (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p,/720p/1080i) socket and connect PC/DTV
  audio outputs to AUDIO INPUT.
- **SOUND SELECT** is always selected **SOUND[M]** regardless of prior sound choice.

READY

Press the **MENU** button and then press the ▲ / ▼ button to
select **SPECIAL** menu.
Press the ▶ button.

MENU ➡ △▽ ➡ VOL ▷

1 Press the ▲ / ▼ button to select **PIP/DW** and
then press the ▶ button.

△▽ ➡ VOL ▷

SPECIAL
LANGUAGE ▶
ARC ▶
SCREEN ▶
TRANSPARENCY ▶
PIP/DW ▶
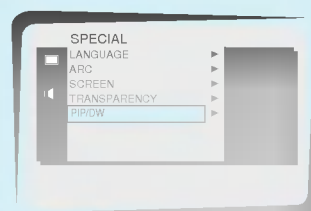
2 Press the ▲ / ▼ button to select **SOUND
SELECT** and then press the ▶ button.

△▽ ➡ VOL ▷

3 Press the ▲ / ▼ button to select **SOUND [M]**
or **SOUND [S]** and then press the ▶ button.

• Each time you press ▲ / ▼ button, you toggle
between **SOUND [M]** or **SOUND [S]**.

VOL ◁ VOL ▷ ➡ OK

Twin picture mode

- Select **RGB** input source.
- This function works only in the following resolutions;
- DTV 480i/720p/1080i, 640x480 (only in Vertical frequency 60 Hz)
- With TWIN PICTURE active, not all picture formats can be used for the main/sub picture.

TWIN PICTURE

Press the **TWIN PICTURE** button.

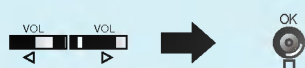- Each time you press **TWIN PICTURE** or ◄ / ► button, you can select **ON** or **OFF**.

<ON>

Main picture

Sub picture

- To avoid showing a fixed image on the screen, sub picture moves every 2 hours.

:Center ⟶ Upside

Downside ⟵ Center

◄ OFF ►

<OFF>

- Sub picture of TWIN PICTURE is always located in center position at first and move-ment of sub picture operate.
- It's not out of order even though a horizontal noise occur in blanking part of sub picture.

● Selecting a source for the Twin picture
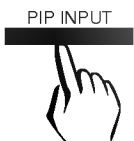
PIP INPUT

Press the **PIP INPUT** button in TWIN PICTURE mode.

- Each time you press **PIP INPUT** button, you toggle between **VIDEO** and **COMPONENT**.

| **VIDEO** | ◄──► | **COMPONENT** |

COMPONENT source only works with 480i signal input.

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.

Notes for using the remote control

Make sure these are no objects between the remote control and its sensor.
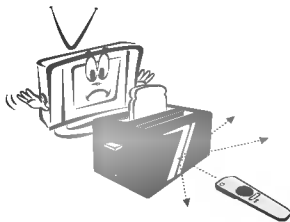
Don't place the remote control near a heater or damp place. Strong impact on the remote control may cause operation failure.
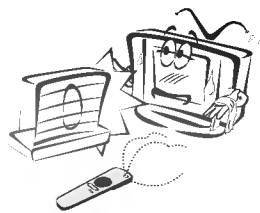
Signal from the remote control may be disturbed by sun light or other strong light. In this case, turn the set to other direction.

- **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 ⏻/| or **INPUT SELECT** button on the Monitor or press the **POWER** or **INPUT SELECT** button on the remote control and then the Monitor will be switched on.

1 **If the Monitor is turned off with the ⏻/| button on the Monitor**
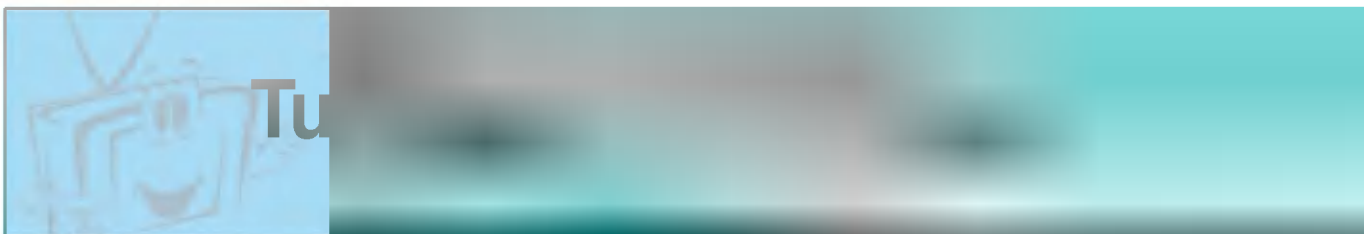
Press the ⏻/| or **INPUT SELECT** button on the Monitor or press the **POWER** or **INPUT SELECT** button on the remote control and then the Monitor will be switched on.

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 ⏻/| or **INPUT SELECT** button on the Monitor or press the **POWER** or **INPUT SELECT** button on the remote control and then the Monitor will be switched on.

Tips

• **Adjusting volume level**
Volume(►) button increases the sound and volume(◄) button decreases the sound.

Selectin

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **SPECIAL** menu.
Press the ► button.

MENU   ▲▼   VOL ►

---
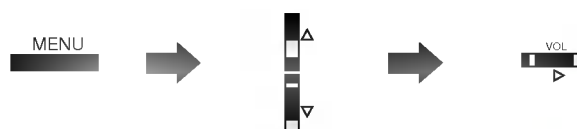
1   Press the ▲ / ▼ button to select **LAN-GUAGE** and then press the ► button.

▲▼   VOL ►

SPECIAL
LANGUAGE

---
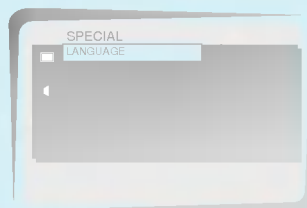
2   Press the ▲ / ▼ button to select the desired language.

▲▼

SPECIAL
ENGLISH

---

3   Press the **OK** button.

OK
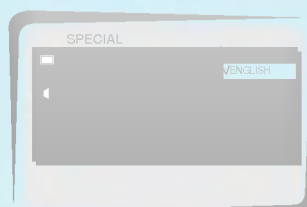
- Select **VIDEO** input source.

MENU

1 Press the **MENU** button.

2 Press the ▲ / ▼ button.
- Each time you press this button you can see menus shown below.

PICTURE

MOVE ▶NEXT ■EXIT

\<Picture menu\>

SOUND

MOVE ▶NEXT ■EXIT

\<Sound menu\>

SPECIAL

MOVE ▶NEXT ■EXIT

\<Special menu\>

VOL   VOL

3 Press the ▶ button and then press the ▲ / ▼ or ◀ / ▶ button to select a function you want to use.
- Press the **OK** button to exit.

SLEEP

Press the **SLEEP** button to set sleep time.
Each time you press **SLEEP** button, the next preset setting time is changed as shown below.

◀ --- ▶ ▶ ◀ 10 ▶ ▶ ◀ 20 ▶ ▶ ◀ 30 ▶

▲

◀ 240 ▶   ▼

▲

◀ 180 ▶ ◀ ◀ 120 ▶ ◀ ◀ 90 ▶ ◀ ◀ 60 ▶

◀ 30 ▶

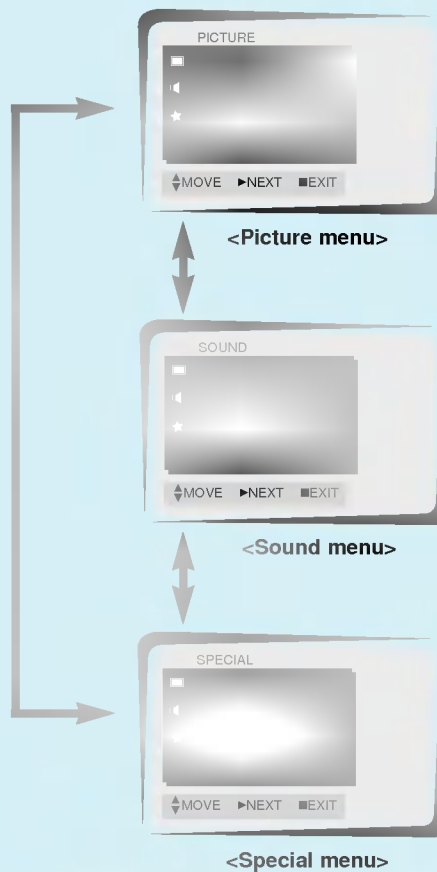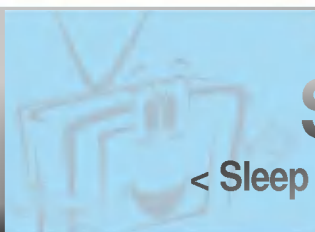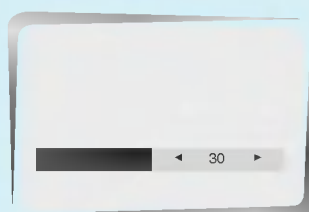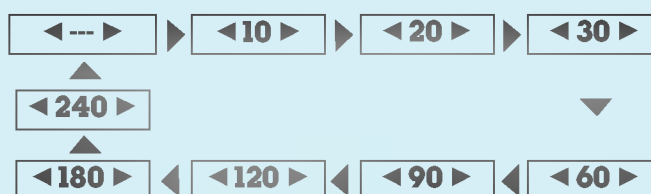• To release sleep time setting, press the **SLEEP** or ◀ / ▶ button repeatedly to select ◀ --- ▶.

• '⚠ **SLEEP 1**' is displayed, one minute before the Monitor is due to switch off.

Tips

• When the sleep time you want is displayed on the screen, don't press the **SLEEP** button. After 20 seconds, the screen display disappears and sleep time is set.
• To check remaining sleep time after setting, press the **SLEEP** or **OK** button just once.
• If you turn the Monitor off after setting the sleep timer, the setting will be erased. The sleep timer will then have to be set again.

Monitor overview

Connections

Basic operation

Special features

- **APC is not available in RGB, PIP/TWIN PICTURE modes.**

● APC (Auto Picture Control)

APC
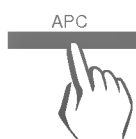
1 Press the **APC** button.

2 Press the **APC** or ◄ / ► button to select your desired picture condition.

◄ CLEAR ►

• Each press of ◄ / ► button changes the screen display as shown below.
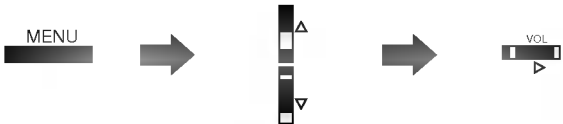
| CLEAR | ◄————► | SOFT | ◄————► | USER |

• You can also select **CLEAR**, **SOFT** or **USER** in the **PICTURE** menu.

- **PIP and Twin picture inset settings are not adjustable.**

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **PICTURE** menu.
Press the ▶ button.

MENU ➡ ▲▼ ➡ VOL ▶

① Press the ▲ / ▼ button to select **CON-TRAST** and then press the ▶ button.
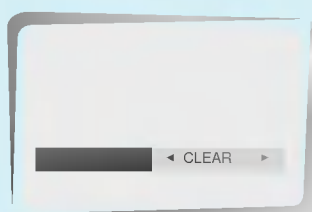(to adjust contrast setting)

▲▼ ➡ VOL ▶

- Adjust **BRIGHTNESS**, **COLOR**, **TINT** and **SHARPNESS** in the same way.

PICTURE	
APC	▶
DRP	▶
CONTRAST	100 ▶
BRIGHTNESS	50 ▶
COLOR	50 ▶
TINT	0 ▶
SHARPNESS	50 ▶

② Use the ◀ / ▶ button to make appropriate adjustments and then press the **OK** button.
- Press the ▲ / ▼ button to select other items.

VOL ◀ VOL ▶ ➡ OK

PICTURE	
APC	▶
DRP	▶
CONTRAST	70 ▶
BRIGHTNESS	50 ▶
COLOR	0 ▶
TINT	0 ▶
SHARPNESS	50 ▶

Monitor overview
Connections
Basic operation
Sleep timer

DRP (Di...

- **This function works in video, component 480i mode.**

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **PICTURE** menu.
Press the ► button.

MENU

VOL

---

1 Press the ▲ / ▼ button to select **DRP** and then press the ► button.

VOL

```
          PICTURE
□   APC                      ►
    DRP                      ►
    CONTRAST          100    ►
◄)  BRIGHTNESS         50    ►
    COLOR              50    ►
★   TINT                0    ►
    SHARPNESS          50    ►
```

---
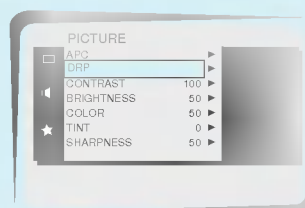
2 Press the ▲ / ▼ button to select **CLEAR** or **SOFT**.

```
          PICTURE
□   APC                      ►
    DRP                      ►
    CONTRAST          100    ►
◄)  BRIGHTNESS         50    ►
    COLOR              50    ►
★   TINT                0    ►
    SHARPNESS          50    ►
```

---

3 Press the **OK** button.

OK

Us

- **This function work only in video mode.**
- **Use this option when viewing the video input.**

READY

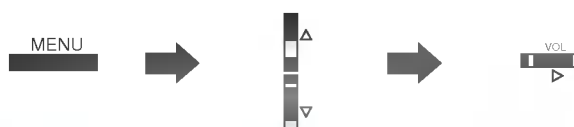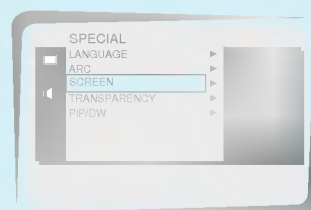Press the **MENU** button and then press the ▲ / ▼ button to select **SPECIAL** menu.
Press the ▶ button.

MENU   ▲   VOL
            ▽   ▷

1 Use the ▲ / ▼ button to select **SCREEN** and then press the ▶ button.

▲   VOL
▽   ▷

SPECIAL
LANGUAGE   ▶
ARC   ▶
SCREEN   ▶
TRANSPARENCY   ▶
PIP/DW   ▶

2 Use the ▲ / ▼ button to select **TV** or **VCR**.

- Select the **VCR** option if watching a VCR.
- Select the **TV** option for other equipment.(Except VCR)
- Each time you press the ▲ / ▼ button you toggle between **TV** and **VCR**.
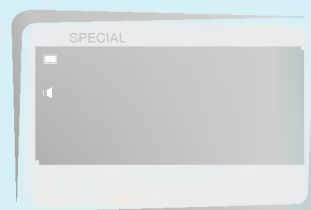
▲   VOL
▽   ▷

SPECIAL

3 Press the **OK** button.

OK

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **SOUND** menu.
Press the ► button.

MENU ➡ ▲ ▼ ➡ VOL ▷

① Use the ▲ / ▼ button to select **TRE-BLE** and then press the ► button.
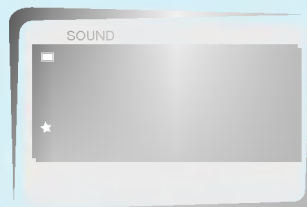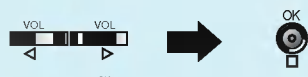(if adjusting treble)

▲ ▼ ➡ VOL ▷

SOUND
TREBLE   50

• Adjust **BASS** and **BALANCE** in the same way.

② Use the ◄ / ► button to make appropriate adjustment and then press the **OK** button.

• Press the ▲ / ▼ button to select other options.

VOL ◄ VOL ► ➡ OK

SOUND

DASP

- This function lets you enjoy the best sound without any special adjust-ment because the Monitor automatically selects the appropriate sound option based on the program content.
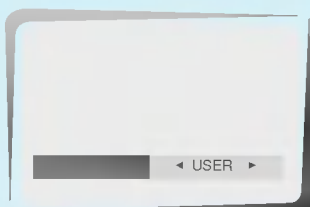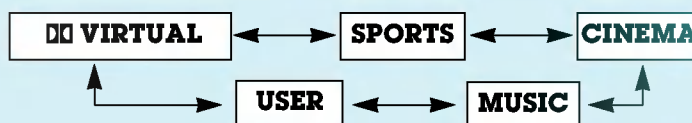
DASP

1 Press the **DASP** button.

2 Press the **DASP** or ◄ / ► button to select your desired sound.

◄ USER ►

- Each press of **DASP** or ◄ / ► button changes the screen display as shown below.

| ▥ VIRTUAL | ◄——► | SPORTS | ◄——► | CINEMA |

| USER | ◄——► | MUSIC |

- You can also select ▥ VIRTUAL, SPORTS, CINEMA, MUSIC or USER in the SOUND menu.

AVL (Auto Volume Leveler)

< This feature maintains an equal volume level; even if you change channels. >

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **SOUND** menu.
Press the ► button.

MENU → ▲ ▽ → VOL ▷

1 Press the ▲ / ▼ button to select **AVL** and then press the ► button.

▲ ▽ → VOL ▷

SOUND
DASP   ►
AVL
TREBLE   50 ►
BASS   50 ►
BALANCE   0 ►
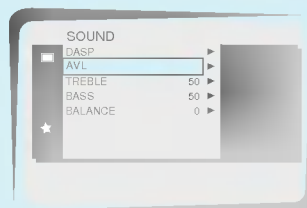
2 Press the ▲ / ▼ button to select **ON** or **OFF**.

▲ ▽

SOUND

3 Press the **OK** button.

OK
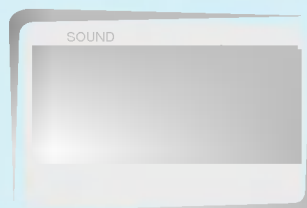
- This feature isn't available for RGB input source.

STILL

1 Press the **STILL** button.
- You can still the current picture.
- The sub picture is stilled in PIP or Twin picture mode.

<Moving image>

<Still image>

2 To return to normal viewing, press the **STILL** button again.

Tips

- If still picture is on the screen for more than 5 minutes, the image becomes dark.
  If another function is activated, normal brightness of the screen is restored.

Adjus

READY

Press the **MENU** button and then press the ▲ / ▼ button to select **SPECIAL** menu.
Press the ► button.

MENU   ▲   VOL
                  ►

1 Press the ▲ / ▼ button to select **TRANSPARENCY** and then press the ► button.

▲   VOL
        ►

SPECIAL
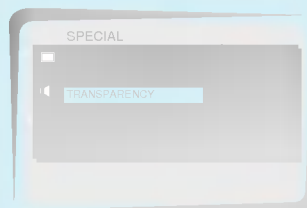
TRANSPARENCY

2 Press the ◄ / ► button to adjust OSD transparency.

• The adjustment range of **TRANSPARENCY** is 0 ~ 5.

VOL   VOL
◄   ►

SPECIAL

3 Press the **OK** button.

OK
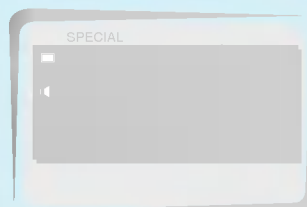
- **You are available to 16:9 or 4:3 in RGB and 16:9 is only available in DTV 720p/1080i.**
- **If 4:3 is on the screen for a long time, that fixed image may remain visible.**
- **Don't display 4:3 picture format or TWIN PICTURE on screen above 10 hours continuously.**

ARC

Press the **ARC** button to select a desired picture format.

• Each time you press **ARC** or ◄ / ► button, you can select **16:9**, **4:3** or **ZOOM** alternatively.

◄ 16 : 9 ►

<16:9>

ARC

<4:3>

◄ ZOOM ►

<Zoom>

• You can also select **16:9**, **4:3** or **ZOOM** in the **SPECIAL** menu.

Troubleshooting check list

|	
No picture & No sound	• Check whether the Monitor is turned on. • Power cord inserted into wall outlet? • 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. • Sound muted? Press **MUTE** button.
The remote control doesn't work	• Check to see if there is any object between the Plasma Display and the remote control causing obstruction. • Check to see if the batteries are installed with the correct polarities. (Refer to p.31) • Install new batteries. (Refer to p.31)
No or Poor color or Poor picture	• Select **COLOR** in the **PICTURE** menu and press the **VOLUME** (▶) button. (Refer to p.37) • Increase the distance 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.)
No output from one of the speakers	• Adjust **BALANCE** in the **SOUND** menu. (Refer to p.40)
Strange sound from the Monitor	• Typical sound due to normal Monitor operation, Monitor is not faulty.

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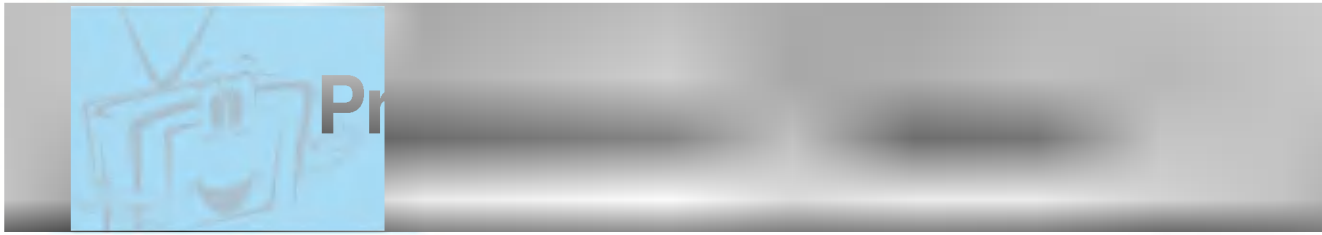
Width (inches / mm)	57.3 / 1455
Height (inches / mm)	34.8 / 883
Depth (inches / mm)	3.9 / 99
Weight (pounds / kg)	154.3 / 70
Power requirement	AC110-240V ~ 50/60Hz, 6A-3A
Resolution	1280 x 720 (Dot)
Color	16,770,000 (256 steps of each R, G and B)
Temperature (In operation)	0 ~ 40°C
Humidity (In operation)	under 80%

- The specifications shown above may be changed without notice for quality improvement.

Monitor overview

Connections

Basic operation

Sleep timer

Picture & Sound

Special features