



# PLASMA MONITOR OWNER'S MANUAL

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

Model number :  
Serial number :

P/NO : 38289U0515F (RF052A, 017M/N TX)



# Safety Instructions

## **WARNING**

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

- This may cause a fire.

**Do not use the set in damp place such as a bathroom or any place where it is likely to get wet.**

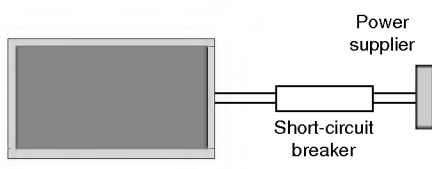
- This may cause a fire or could give an electric shock.

**Bend antenna cable between inside and outside building to prevent rain from flowing in.**

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

**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 possible, a separate circuit breaker should be employed and installed by a qualified electrician.



- Do not connect ground to telephone wires, lightning rods or gas pipe.

**Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.**


**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 set.**

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

## **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.

**Do not use water while cleaning the set.**

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

**In case of smoke or strange smell from the set, 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.

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

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

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

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

**DISCONNECTING DEVICE FROM MAINS**

- Mains plug is the disconnecting device. The plug must remain readily operable.

**Use a dedicated power cord. Do not modify or extend the power cord.**

**Do not install, remove, or reinstall the unit by yourself (customer).**

**For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. For installation, always contact the dealer or an Authorized Service Center.**

**Do not use if the power cord or plug is damaged, or socket is loose. Use a dedicated outlet for this appliance.**

**Do not over bend the power cord and do not place anything on the power cord. Do not install the monitor near any sharp edge to avoid wire damage.**

## **WARNING**

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

\* 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

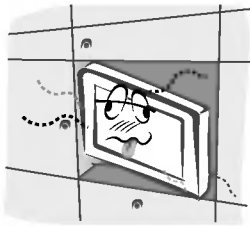
**Never touch the power plug with a wet hand.**

- This may cause an electric shock.

**Disconnect from the mains and remove all connections before moving.**

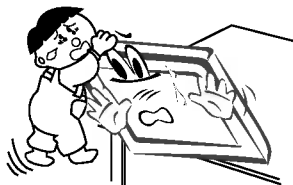
**Do not place the set in a built-in installation such as a bookcase or rack.**

- Ventilation required.



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

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



**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.

**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.

**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.

**When moving the set assembled with speakers do not carry holding the speakers.**

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

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

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

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

- Accumulated dust can cause mechanical failure.

**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.

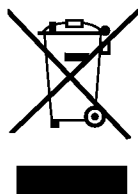
**Unplug the set from the wall outlet when it is left unattended and unused for long periods of time or occurred a state of emergency.**

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

# Contents

<b>Safety Warnings</b>		<b>Time Menu Options</b>	
Safety Instructions	2-3	Setting the Clock	17
<b>Introduction</b>		Setting the On/Off Timer	17
Remote Control Key Functions	5	Auto Sleep	17
Location and Function of Controls	6-8	Sleep Timer	17
<b>Installation</b>		<b>Special Menu Options</b>	
External Equipment Viewing Setups	9	Child Lock	18
Displayable Monitor Specification	10	ISM (Image Sticking Minimization) Method	18
HDMI	11	Low Power	18
Accessories	12	<b>XD</b> Demo	18
Installation Options	13	Menu Rotation for Vertical Viewing (option)	18
<b>Operation</b>		<b>Screen Menu Options</b>	
Turning on the Set	14	Auto adjustment	18
On-Screen Menu Language Selection (option)	14	Manual Configure	18
On screen menus	15	Selecting Wide VGA/XGA mode	18
<b>Picture Menu Options</b>		Initializing (Reset to original factory value)	18
PSM (Picture Status Memory)	16	Setting Picture Format	19
CSM (Color Status Memory)	16	Picture Size Zoom	19
Manual Colour Temperature Control	16	Screen Position	19
<b>XD</b>	16	Cinema	19
sRGB (RGB[PC], HDMI[PC] mode only)	16	NR (Noise Reduction)	19
ACM (Active Color Management)	16	Split Zoom	19
Manual Picture Control	16	<b>Miscellaneous</b>	
<b>Sound Menu Options</b>		Troubleshooting Checklist	22
SSM (Sound Status Memory)	16	Product Specifications	23
BBE	16		
AVL (Auto Volume Leveler)	16		
Adjusting Sound Control	16		
Speaker	17		

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

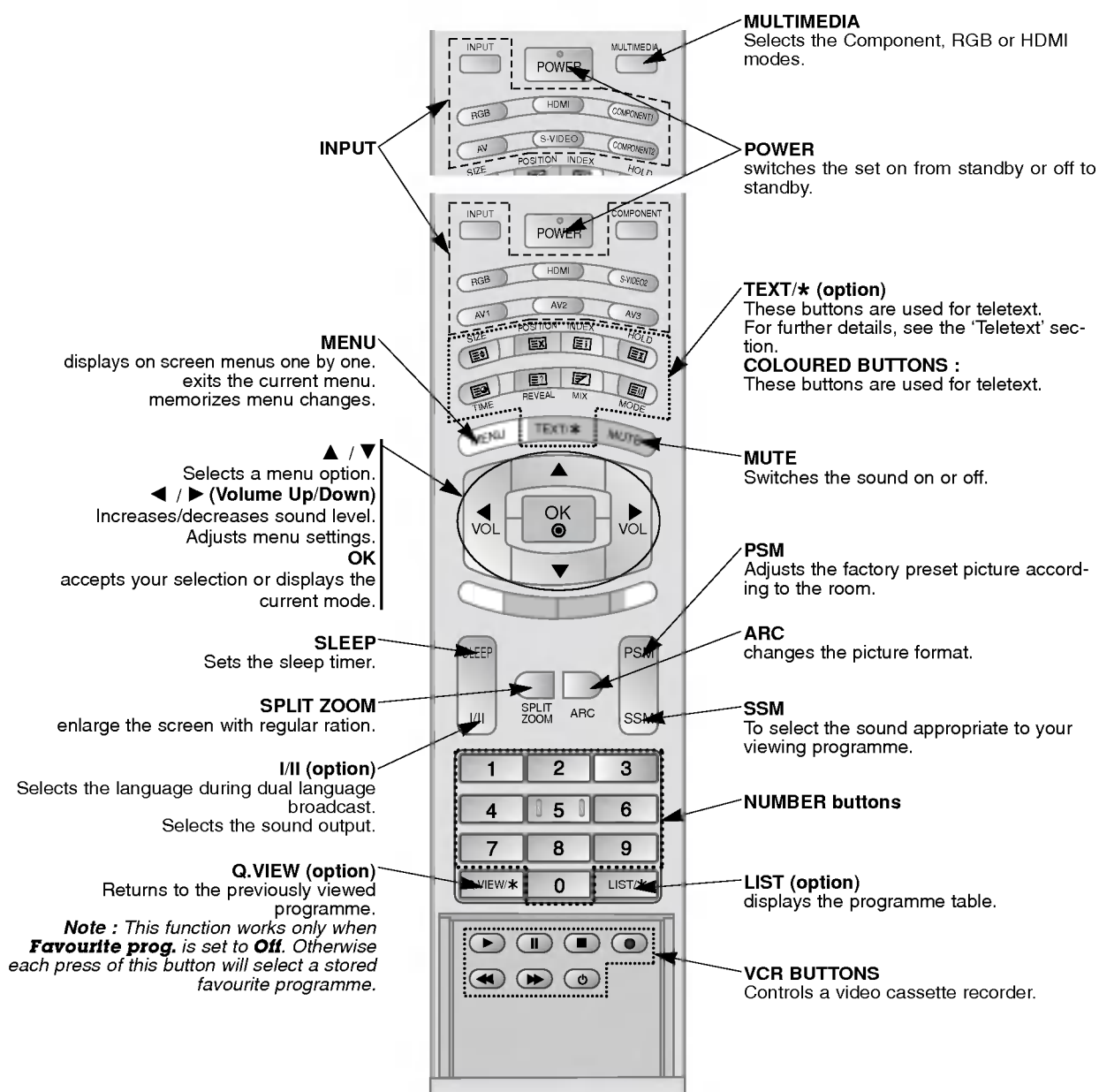


#### Disposal of your old appliance

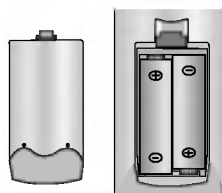
1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

# Remote Control Key Functions

- When using the remote control aim it at the remote control sensor of the set.
- There maybe a defect in consecutive operation of remote control in a specified brightness according to this set.



## Installing Batteries



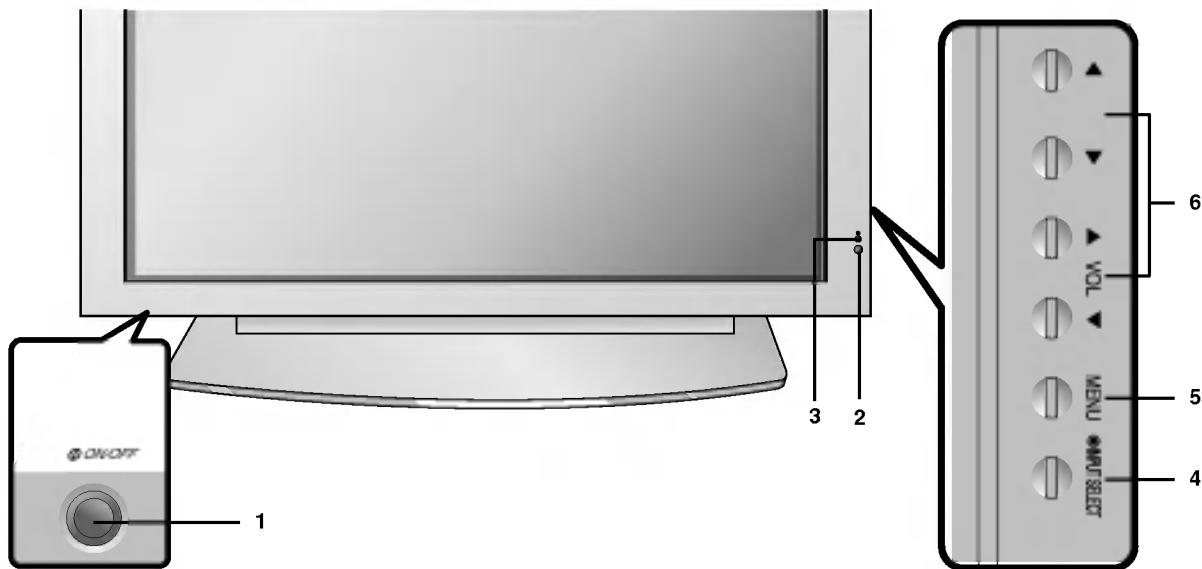
- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Install two 1.5V alkaline batteries of AA type. Don't mix used batteries with new batteries.

# Location and Function of Controls

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.

## <Front Panel Controls>

### 42PM1M/H series / 50PM1M/H series



**1. Main Power Button**

**2. Remote Control Sensor**

**3. Power Standby Indicator**

Illuminates red in standby mode, Illuminates green when the set is turned on

**4. INPUT SELECT Button**

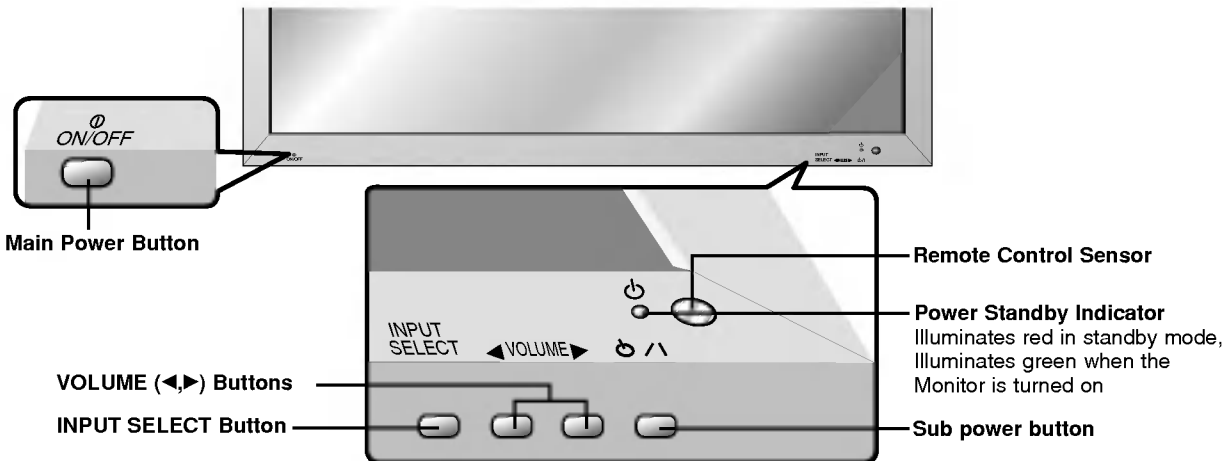
**5. MENU**

Displays on screen menus one by one.  
Exits the current menu.  
Memorizes menu changes.

**6. ▲ / ▼**

Selects a menu option.  
◀ / ▶ (**Volume Up/Down**)  
Increases/decreases sound level.  
Adjusts menu settings.

### 60PZ9M/H series



**Main Power Button**

**Remote Control Sensor**

**Power Standby Indicator**  
Illuminates red in standby mode,  
Illuminates green when the  
Monitor is turned on

**VOLUME (◀,▶) Buttons**

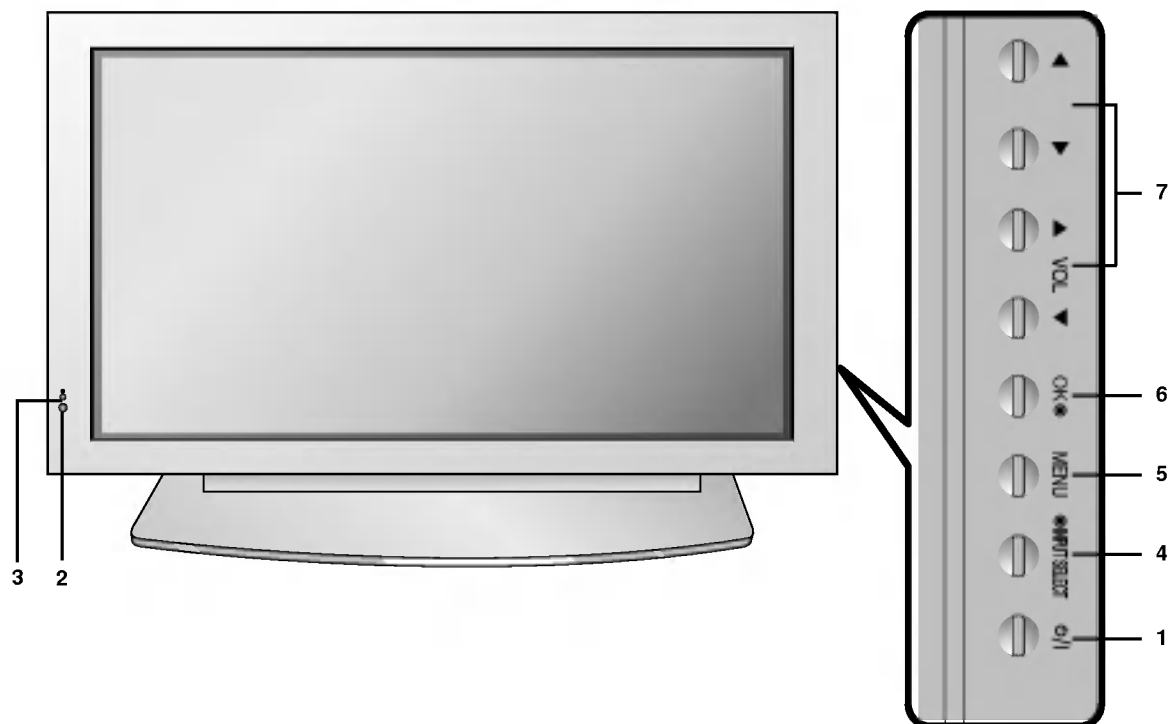
**INPUT SELECT Button**

**Sub power button**

# Location and Function of Controls

## <Front Panel Controls>

### 42PM3MV/H series

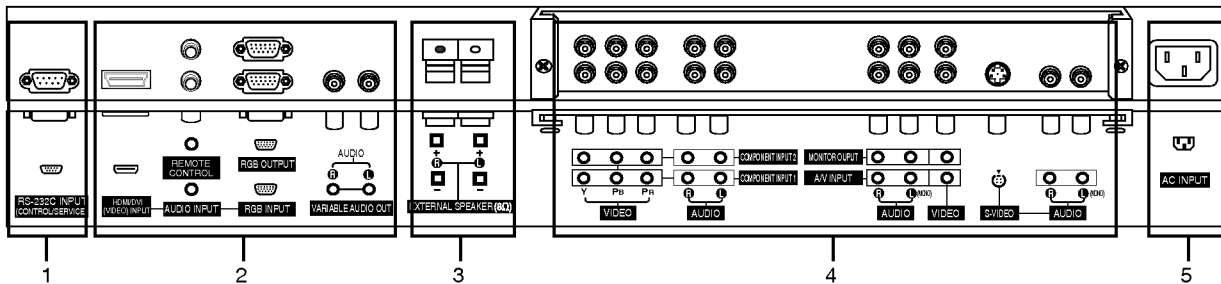


- |  |  |
|--|--|
| <p><b>1. Power Button</b><br/>Switches the set on from standby or off to standby.</p> <p><b>2. Remote Control Sensor</b></p> <p><b>3. Power Standby Indicator</b><br/>Illuminates red in standby mode, illuminates green when the set is turned on</p> <p><b>4. INPUT SELECT Button</b></p> <p><b>5. MENU</b><br/>Displays on screen menus one by one.<br/>Exits the current menu.<br/>Memorizes menu changes.</p> | <p><b>6. OK</b><br/>Accepts your selection or displays the current mode.</p> <p><b>7. ▲ / ▼</b><br/>Selects a menu option.<br/>◀ / ▶ (<b>Volume Up/Down</b>)<br/>Increases/decreases sound level.<br/>Adjusts menu settings.</p> |
|--|--|

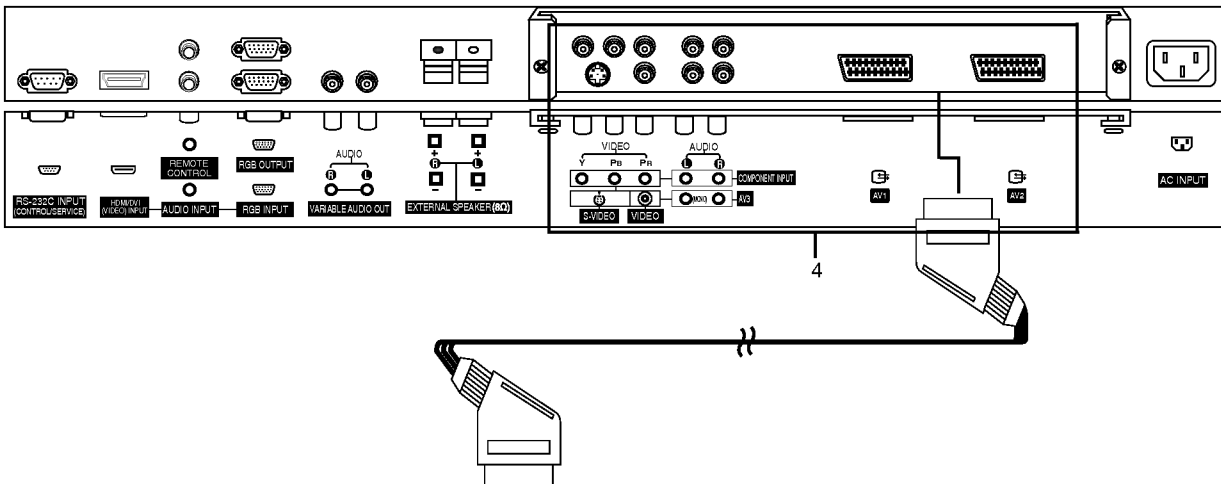
# Location and Function of Controls

## <Back Panel>

### RCA Type



### Scart Type



**1. RS-232C INPUT (CONTROL/SERVICE) PORT**  
Connect to the RS-232C port on a PC.

**2. HDMI/DVI (VIDEO) / AUDIO INPUT / RGB INPUT SOCKETS**  
Connect the set output socket of the PERSONAL COMPUTER to this socket.  
**Note:** If you want to use RGB/DVI audio, we strongly recommend that you use the cable that has a core, or the EMI Filter core along with separate cable.

**RGB OUTPUT SOCKET**  
You can watch the RGB signal on another set, connect RGB OUTPUT to another set's PC input port.

**REMOTE CONTROL**

**VARIABLE AUDIO OUTPUT**

**3. EXTERNAL SPEAKER OUTPUT (8 ohm)**  
Connect to optional external speaker(s).  
\* For further information, refer to 'Speaker & Speaker Stand' manual.

**4. COMPONENT / AUDIO INPUT SOCKETS**  
**S-VIDEO / AUDIO (L/MONO) INPUT SOCKETS**  
**VIDEO / AUDIO (L/MONO) INPUT SOCKETS**

**EURO SCART SOCKET**  
Connect the euro scart socket of the VCR to these sockets.  
**Note:**  
a. If you want to use the EURO scart cable, you have to use the signal shielded Euro scart cable.  
b. If you want to use your external hi-fi stereo system, turn off the internal speakers of the set.  
c. If the S-VIDEO(Y/C) signal is received through the Euro scart socket 2 (AV 2), you must change to the S-Video 2 (Y/C) mode.

**5. POWER CORD SOCKET**  
This set operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the set on DC power.





# Displayable Monitor Specification

RGB / HDMI mode

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
848x480	43.269	85.00
	31.500	60.00
848x480	37.799	70.00
	39.375	75.00
852x480	31.500	60.00
	37.799	70.00
852x480	39.375	75.00
	35.156	56.25
800x600	37.879	60.31
	48.077	72.18
	46.875	75.00
	53.674	85.06
832x624	49.725	74.55
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02
	68.677	85.00
1152x864	54.348	60.05
	63.995	70.01
	67.500	75.00
1152x870	68.681	75.06
1280x960	60.023	60.02
1280x1024	63.981	60.02

42PM3MV/H series

RGB / HDMI mode

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
848x480	43.269	85.00
	31.500	60.00
848x480	37.799	70.00
	39.375	75.00
852x480	31.500	60.00
	37.799	70.00
852x480	39.375	75.00
	35.156	56.25
800x600	37.879	60.31
	48.077	72.18
	46.875	75.00
	53.674	85.06
832x624	49.725	74.55
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02
	68.677	85.00
1360x768	47.700	60.00
	59.625	75.02
1366x768	47.700	60.00
	59.625	75.02
1152x864	54.348	60.05
	63.995	70.01
	67.500	75.00
1152x870	68.681	75.06
1280x768	47.693	59.99
	60.091	74.93
1280x960	60.023	60.02
1280x1024	63.981	60.02

42PM1M/H series  
50PM1M/H series  
60PZ9M/H series

• Component/HDMI

Mode	Terminal	Component	RGB (DTV)	HDMI (DTV)
480i		o	x	x
576i		o	x	x
480p		o	o	o
576p		o	o	o
720p		o	o	o
1080i		o	o	o



- HDMI™, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- This set can receive the High-Definition Multimedia Interface (HDMI) or Input of Digital Visual Interface(DVI).
- This set supports HDCP (High-bandwidth Digital Contents Protection) Protocol for the set (480p, 720p, 1080i) modes.
- When you Connect with HDMI/DVI Source Devices (DVD Player or Set Top Box or PC) supporting Auto HDMI/DVI function, automatically, support Plug & Play and then set the HDMI/DVI Source Devices (1280 x 720p) (or 42PM3MV/H series: 640 x 480p). After reading in HDMI/DVI Source Devices using Display Data Channel(DDC) Protocol, EDID stored in the set is used. If HDMI/DVI Source Devices not supported Auto HDMI/DVI is been, the Resolution is set, manually.
- To get the best picture quality, adjust the DVD Player or Set Top Box output resolution to (1280 x 720p) (or 42PM3MV/H series: 640 x 480p).
- To get the best picture quality, adjust the PC graphics card to 1024 x 768 (or 42PM3MV/H series: 640 x 480), 60Hz.
- When Source Devices have DVI Output Connector, you must connect audio with separated cable.  
(Refer to <How to connect>)

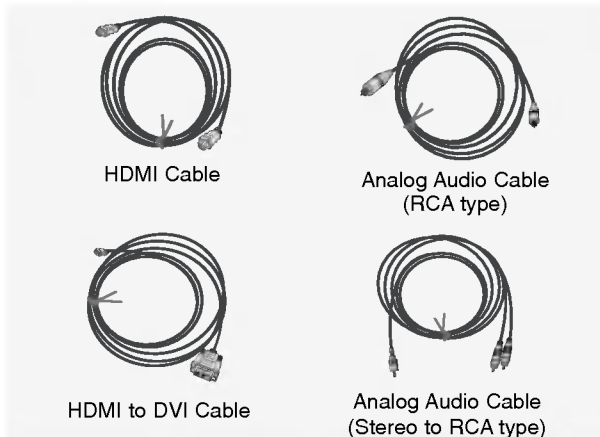
### How to connect

1. When Source Devices (DVD Player or Set Top Box) support HDMI.
  - If Source Devices have HDMI Output Connector, Source Devices connect to the set with HDMI Cable .(not supplied with the product).
  - If Source Devices support Auto HDMI, automatically, Source Devices divert output resolution in (1280 x 720p) (or 42PM3MV/H series: 640 x 480p). But if not, resolution divert Manually Setting for reference Manual of Source Devices.
  - To get the best picture quality, adjust the DVD Player or Set Top Box output resolution to (1280 x 720p) (or 42PM3MV/H series: 640 x 480p).
  - Because HDMI sends Digital Video and Audio with one cable, need not especial Audio Cable for using HDMI Cable.
2. When Source Devices (DVD Player or Set Top Box) supports DVI.
  - If Source Devices have DVI Output Connector, Source Devices connect to the set with HDMI to DVI Cable (not supplied with the product).
  - If Source Devices support Auto DVI, automatically, Source Devices divert output resolution in (1280 x 720p) (or 42PM3MV/H series: 640 x 480p). But if not, resolution divert Manually Setting for reference Manual of Source Devices.
  - To get the best picture quality, adjust the DVD Player or Set Top Box output resolution to (1280 x 720p) (or 42PM3MV/H series: 640 x 480p).
  - In this case, Audio use other cable. When Source Devices have Analog Audio Output Connector, RGB/DVI Audio Input of the set connect to Audio Cable (not supplied with the product). And then you can listen to normal Audio.
3. When PC supports DVI.
  - If PC have DVI Output Connector, Source Devices connect to the set with HDMI to DVI Cable (not supplied with the product).
  - To get the best picture quality, adjust the PC graphics card to 1024 x 768 (or 42PM3MV/H series: 640 x 480), 60Hz.
  - Use the the set's HDMI/DVI (VIDEO) for video connections, depending on your PC connector.
  - If the graphics card on the PC does not output analog RGB and DVI simultaneously, connect only one of either RGB Input or HDMI/DVI Input to display the PC on the set.
  - If the graphics card on the PC does output analog RGB and DVI simultaneously, the set to either RGB Input or HDMI/DVI Input; (the other mode is set to Plug and Play automatically by the set.)

- Then, make the corresponding audio connections. If using a sound card, adjust the PC sound as required.
- In this case, Audio use other cable. When PC (or sound card of PC) have Analog Audio Output Connector, RGB/DVI Audio Input of the set connect to Analog Audio Cable (not supplied with the product). And then you can listen to normal Audio.

### Reference

#### Cable sample (not supplied with the product)



### How to use

1. Connect the HDMI/DVI Source Devices(DVD Player or Set Top Box or PC) and the set.
2. Turn on the display by pressing the POWER button on the set and HDMI/DVI Source Devices remote control.
3. Select HDMI/DVI Input source in Main Input option of SPECIAL menu.
4. Check the image on your set. There may be noise associated with the resolution, vertical pattern, contrast or brightness in HDMI/DVI Source Devices. If noise is present, change the HDMI/DVI Source Devices to another resolution, change the refresh rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphics card can not changed, change the PC graphics card or consult the manufacturer of the PC graphics card.

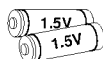
### Notes:

- Depending on the graphics card, DOS mode may not work if you use a HDMI to DVI Cable.
- Avoid keeping a fixed image on the set screen for a long period of time. The fixed image may become permanently imprinted on the screen. Use the Orbiter screen saver when possible.
- When Source Devices connected HDMI/DVI Input, output PC Resolution(VGA, SVGA, XGA), Position, Size may not fit to Screen. As shown the lower picture, press the **MENU** button to adjust the screen Position of the set and contact an PC graphics card service center.
- When Source Devices connected HDMI/DVI Input output the set Resolution(480p, 720p, 1080i), the set Display fit EIA/CEA-861-B Specification to Screen. If not, refer to the Manual of HDMI/DVI Source Devices or contact your service center.
- In case HDMI/DVI Source Devices is not connected Cable or poor cable connection, "No Signal" OSD display in HDMI/DVI Input. And In case of Video Resolution not supported the set output in HDMI/DVI Source Devices, "No Signal" OSD display. Refer to the Manual of HDMI/DVI Source Devices or contact your service center.

# Accessories



Owner's Manual



Alkaline batteries



Remote Control handset



D-sub 15 pin cable  
(60PZ9M/H series only)



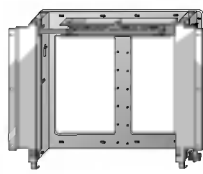
Power Cord

## Optional Extras

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



42/50PM1M/H series  
42PM3MV/H series

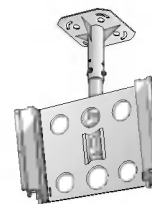


60PZ9M/H series

Tilt wall mounting bracket

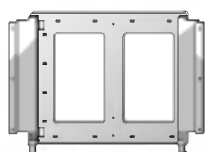


42/50PM1M/H series  
42PM3MV/H series



60PZ9M/H series

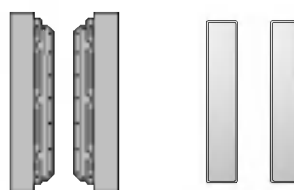
Ceiling mounting bracket



Wall mounting bracket



Vertical Wall mounting bracket

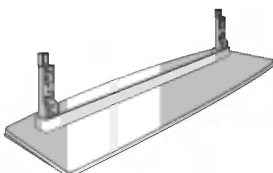


42/50PM1M/H series  
42PM3MV/H series 60PZ9M/H series

Speakers

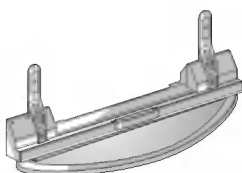


60PZ9M/H series  
Desktop Speaker stand



42/50PM1M/H series  
42PM3MV/H series

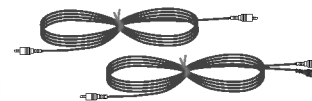
Desktop stand



60PZ9M/H series



Video cables



Audio cables

# Installation Options

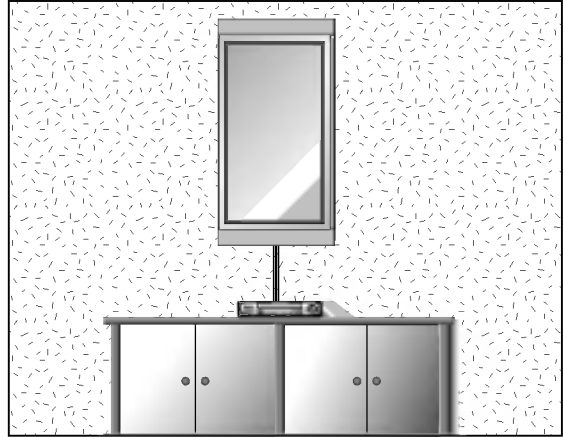
- The set can be installed in different ways such as on a wall, or on a desktop etc.
- Install this set only in a location where adequate ventilation is available.
- This set is designed so that it can be mounted either horizontally or vertically.

## Wall Mount: Horizontal Installation



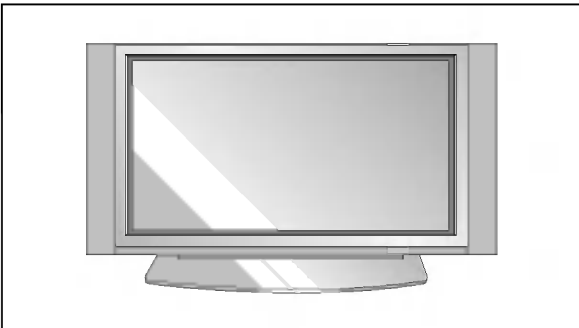
- The set can be installed on a wall as shown above. (For further information, refer to the optional 'Wall Mounting Bracket Installation and Setup Guide'.)
- Speakers are optional, and are shown for illustration only.

## Wall Mount: Vertical Installation



- The set can be installed vertically on the wall as shown above. (For further information, refer to the optional 'Wall Mounting Bracket Installation and Setup Guide'.)  
 Caution: When installing the set vertically, the front panel controls must be in the left-down side position as shown above.
- Speakers are optional, and are shown for illustration only.
- **Note:** To use the set in a vertical orientation, the source's image must also be in a vertical format.

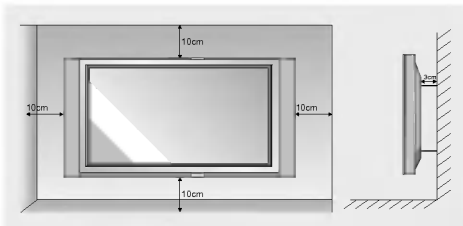
## Desktop Pedestal Installation



- The set can be mounted on a desk as shown above. (For further information, refer to the optional 'Desktop Stand Installation and Setup Guide'.)
- Speakers and speaker stands shown are optional, and are shown for example only.

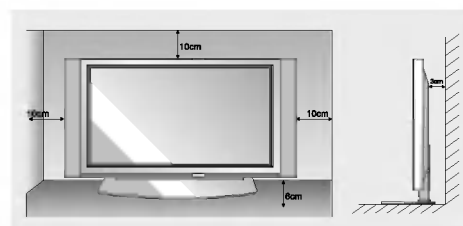
### To Mount on a Wall

Wall mount minimum allowable clearances for adequate ventilation.



### To Install on a Desktop

Pedestal mount minimum allowable clearances for adequate ventilation.



## Turning on the Set

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

### 42/50PM1M/H series / 60PZ9M/H series

#### Turning on the set just after installation

1. Connect power cord correctly.
2. Press the **⏻ ON/OFF** button on the set. At this moment, the set is switched to standby mode. Press the **INPUT SELECT** button on the set or press the **POWER, INPUT, MULTIMEDIA, ▲ / ▼** or **NUMBER** button on the remote control and then the set will switch on.

#### Turning on the set (power cord is still connected)

1. If the set was turned off with the **⏻ ON/OFF** button on the set
  - Press the **⏻ ON/OFF** button on the set to turn the set on.
2. If the set was turned off with the remote control and the **⏻ ON/OFF** button on the set
  - Press the **⏻ ON/OFF** button on the set and then press the **INPUT SELECT** button on the set or press the **POWER, INPUT, MULTIMEDIA, ▲ / ▼** or **NUMBER** button on the remote control to turn the set on.

### 42PM3MV/H series

#### Turning on the set just after installation

1. Connect power cord correctly, the set is switched to standby mode.
2. Press the **⏻ / I, INPUT SELECT** or **▲ / ▼** button on the set or press the **POWER, INPUT, MULTIMEDIA, ▲ / ▼** or **NUMBER** button on the remote control and then the set will switch on.

#### Turning on the set (power cord is still connected)

- If the set was turned off with the remote control power button and the **⏻ / I** button on the set
- Press the **⏻ / I, INPUT SELECT** or **▲ / ▼** button on the set or press the **POWER, INPUT, MULTIMEDIA, ▲ / ▼** or **NUMBER** button on the remote control to turn the set on.

## On-Screen Menu Language Selection (option)

- The menus can be shown on the screen in the selected language. First select your language.
  1. Press the **MENU** button and then use **▲ / ▼** button to select the **SPECIAL** menu.
  2. Press the **▶** button and then use **▲ / ▼** button to select **Language**.
  3. Press the **▶** button and then use **▲ / ▼** button to select your desired language.  
From this point on, the on-screen menus will be shown in the language of your choice.
  4. Repeatedly press the **MENU** button to return to normal viewing.

# On screen menus

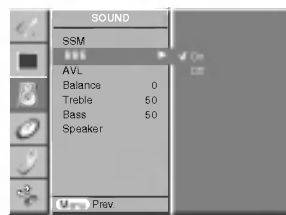
- The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

## Menu selection

1. Press the **MENU** button and then **▲** / **▼** button to display each menu.
2. Press the **▶** button and then the **◀** / **▶** button to select a menu item.
3. Repeatedly press the **MENU** button to return to normal viewing.



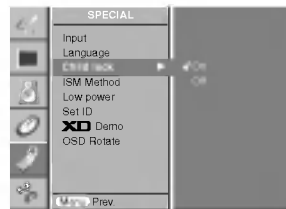
PICTURE menu



SOUND menu



TIME menu



SPECIAL menu



SCREEN menu

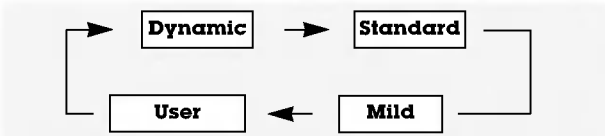


# Picture Menu Options

## PSM (Picture Status Memory)

- This function adjusts the set to the best picture appearance.
- When adjusting picture options (contrast, brightness, colour, sharpness and tint (NTSC AV only)) manually, PSM is automatically changed to **User**.

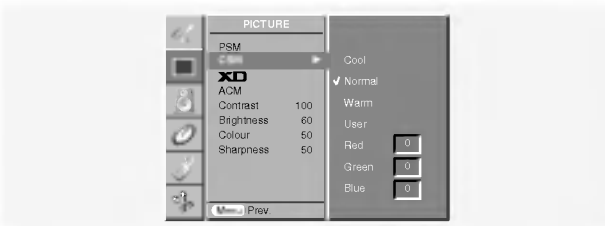
1. Press the **PSM** button.
- Each press of the **PSM** button changes the screen display as shown below.



- You can also select **Dynamic, Standard, Mild** or **User** in the PICTURE menu.
- Picture options **Dynamic, Standard** and **Mild** are preset and programmed for good picture quality at the factory and cannot be changed.

## CSM (Colour Status Memory)

- To initialize values (reset to default settings), select the **Normal** option.



## Manual Colour Temperature Control

- You can adjust red, green, or blue to any colour temperature you prefer.

## XD

- You can enjoy the vivid and hi-definition picture with LG's Excellent Digital Reality processor technology.
- It's not available to use this function in RGB[PC], HDMI[PC] mode.
- When selecting picture options (**Dynamic, Standard** and **Mild**) in PICTURE menu, **XD** is automatically changed to **On**.

## sRGB

- When the set was connected to external equipment with sRGB function, It's adjusted a colour difference to display the equal image each other.
- This function works in the following mode:RGB[PC], HDMI[PC].

## ACM (Active Colour Management)

- Adjust the **ACM** to select the desired skin colour option.
- This function is not available for use in RGB[PC], HDMI[PC] mode.
- It's not available to use this function in **XD Off** mode.

## Manual Picture Control

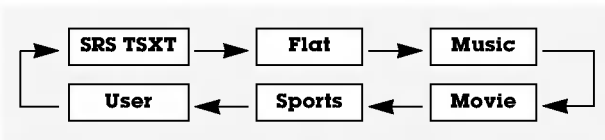
- You can adjust picture contrast, brightness, colour, sharpness and tint (NTSC AV only) to the levels you prefer.
- It's not available to use colour, sharpness function in RGB[PC], HDMI[PC] mode.
- In the broadcasting system PAL/SECAM, the picture item Tint doesn't work.

# Sound Menu Options

## SSM (Sound Status Memory)

- This function lets you enjoy the best sound without any special adjustment because the set automatically selects the appropriate sound option based on the program content.
- When adjusting sound options (treble and bass) manually, SSM is automatically changed to **User**.

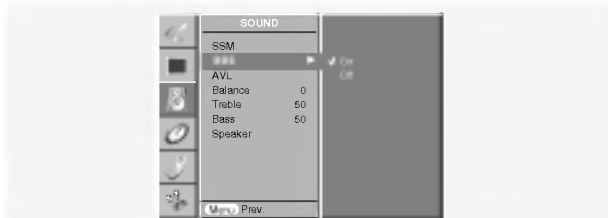
1. Press the **SSM** button.
2. Press the **SSM** button to select your desired sound.



- is a trademark of SRS Labs, Inc.
- TruSurround XT technology is incorporated under license from SRS Labs, Inc.

## BBE

- BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.



**BBE**. Manufactured under license from BBE Sound, Inc.

## AVL (Auto Volume Leveler)

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

## Adjusting Sound Control

**Note** : Treble, Bass or BBE aren't suitable to use **SRS TSXT**.



## Sound Menu Options

### Speaker

- You can adjust internal speaker status.
- In COMPONENT, RGB[PC] and HDMI[PC] mode, speaker/variable audio can be output even though there is no video signal.
- If you want to use your external hi-fi stereo system, turn off the internal speakers of the set.

## Time Menu Options

### Setting the Clock

- If current time setting is erased by a power failure or the set is unplugged, reset the clock.





### Setting the On/Off Timer

- Timer function operates only if current time has been already set.
- Off Timer function overrides on Timer function if they are set to the same time.
- The set must be in standby mode for the On Timer to work.
- Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

### Auto Sleep


- If there is no input signal, the monitor turn off automatically after 10 minutes.

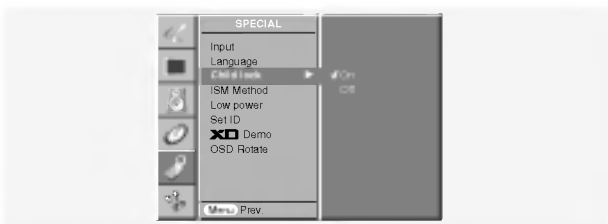
### Sleep Timer

- Sleep timer turns the set off at the preset time.
- Press the **SLEEP** button to select the number of minutes. The display  --- **Min** will appear on the screen, followed by **10, 20, 30, 60, 90, 120, 180** and **240** minutes. The timer begins to count down from the number of minutes selected.
  - To check the remaining sleep time, press the **SLEEP** button once.
  - To cancel the sleep time, repeatedly press the **SLEEP** button until the display  --- **Min** appears.
  - If you turn the set off after setting the sleep timer, the setting will be erased.

## Special Menu Options

### Child Lock

- The set can be set up so that it can only be used with the remote control.
- This set programmed to remember which option it was last set to even if you turn the set off.
- In **Child lock 'On'**, if the set is turned off, press the **INPUT SELECT**, **▲ / ▼** button on the set or **POWER, INPUT** or **MULTIMEDIA**, **▲ / ▼** or **NUMBER** buttons on the remote control.
- With the **Child lock On**, the display '  **Child lock on'** appears on the screen if any button on the front panel is pressed while viewing the set.



### ISM (Image Sticking Minimization) Method

- Frozen still picture from a PC/video game displayed on the screen for prolonged periods will result in an ghost image remaining even when you change the image. Avoid allowing a fixed image to remain on the set's screen for a long period of time.

### • White Wash :

White Wash removes permanent images from the screen.

**Note:** *An excessive permanent image may be impossible to clear entirely with White Wash.*

### • Orbiter :

Orbiter may help prevent ghost images. However, it is best not to allow any fixed image to remain on the screen. To avoid a permanent image on the screen, the screen will move every 2 minutes.

### • Inversion :

This is the function to invert the panel colour of the screen. The panel colour is automatically inverted every 30 minutes.

### Low Power

- This is the function to reduce the power consumption of the set.

### XD Demo

- Use it to see the difference between XD demo on and XD Demo off.
- It's not available to use this function in RGB[PC], HDMI[PC] mode.

### Menu Rotation for Vertical Viewing (option)

- Select **Normal** : if the set is installed horizontally.
- Select **Rotate** : if the set is installed vertically.

## Screen Menu Options

### Auto Configure

- Automatically adjusts picture position and minimizes image shaking.
- This function works in the following mode : RGB[PC].
  - When **Auto config.** has finished, **Ok** will be shown on screen.
  - If the position of the image is still not correct, try Auto adjustment again.
- If picture needs to be adjusted more after Auto adjustment in RGB (PC), you can adjust the **Manual Config.**
- Although the image is still not correct, your set is functioning properly but needs further adjustment.
- The **Auto config.** functions don't need to be run for HDMI mode.



### Manual Configure

- If the picture isn't clear after auto adjustment and especially that characters are still trembling, adjust the picture phase manually.
- To correct the screen size, adjust **Clock**.
- This function works in the following mode : RGB[PC], RGB[DTV], COMPONENT (480p/576p/720p/1080i), HDMI (480p/576p/720p/1080i).
- It's not available to use Phase, Clock function in RGB[DTV], COMPONENT (480p/576p/720p/1080i), HDMI (480p/576p/720p/1080i) mode.

### Selecting Wide VGA/XGA mode

- To see a normal picture, match the resolution of RGB mode and selection of VGA/XGA mode.
- In some models, it's not available to selection of XGA mode.
- This function works in the following mode : RGB[PC].

# Screen Menu Options

## Setting Picture Format

- You can watch the screen in various picture formats; **Spectacle**, **Full** (option), **Original**, **4:3**, **16:9** (Wide), **14:9** and **Zoom**.

- **Spectacle**

When your set receives the wide screen signal, following selection will lead you to adjust the picture horizontally, in non-linear proportion, to fill the entire screen.

- **Full** (option)

When your set receives the wide screen signal, following selection will lead you to adjust the picture horizontally or vertically, in a linear proportion, to fill the entire screen fully.

- **Original**

When your set receives the wide screen signal, it will be automatically changed to the picture format to be sent.

- **4:3**

Following selection will lead you to view a picture with an original 4:3 aspect ratio, with gray bars appearing at both the left and right sides.

- **16:9** (Wide)

Following selection will lead you to adjust the picture horizontally, in a linear proportion, to fill the entire screen (useful for viewing 4:3 formatted DVDs).

- **14:9**

You can enjoy the picture format of 14:9 or general programme through the 14:9 mode. The screen 14:9 is viewed just like that the screen 4:3 is magnified to the left / right.

- **Zoom**

Following selection will lead you to view the picture without any alternation, while filling the entire screen. However, the top and bottom portions of the picture will be cropped.

- You can only select **4:3** and **16:9** (Wide) in RGB[PC], HDMI[PC] mode only.

- You can only select **4:3**, **16:9** (Wide) and **Zoom** in RGB[DTV], HDMI[DTV], Component [DTV] mode only.
- You can only select **Spectacle**, **Full** (option), **4:3**, **16:9** (Wide), **14:9** and **Zoom** in Component [480i/576i] mode only.
- There might be uncomfortable in full mode. Then change into other mode.

## Picture Size Zoom

- When enlarging or reducing the picture, the screen may be display unnatural picture.

## Screen Position

- You are available to this function after adjusting Zoom In/Out.

## Cinema

- When you watch the movie, this function adjusts the set to the best picture appearance.
- This function works in the following mode: AV, S-VIDEO, COMPONENT 480i/576i.

## NR (Noise Reduction)

- You can select **3D NR** or **MPEG NR** to reduce the picture noise which may appear on the screen during watching the TV.
- This function is not available for use in RGB[PC], HDMI[PC] mode.
- 3D NR is not available for use in RGB, HDMI, Component[DTV] mode.

## Initializing (Reset to original factory value)

This function operates in current mode.  
To initialize the adjusted value.

- You can initialize Phase, Clock, H-Position, V-Position, Position, Zoom +/-, PIP size, PIP position, PIP Transparency and sub picture size of twin picture.

## Split Zoom

- This is the function to enlarge the screen with regular ration.
- It's available to use this function in every input source.
- It's not available to use this function in **Rotate** mode.
- With 2-SPLIT ZOOM, you can only move the screen into upside or downside.
- If a screen is enlarged, a screen can move without selecting a section of screen.

### 1. Press the **SPLIT ZOOM** button.

- Each press of **SPLIT ZOOM** button changes the screen display as shown below.



### In case of 9-Split Zoom:

Press the number button to select the section you want to enlarge.  
If you choose No.5, the 5 section is enlarged and also can move the enlarged screen with using the **▲ / ▼** or **◀ / ▶** button.



In case of choosing the No.5



The 5 section is changed to a full screen.

# Notes

---

# Notes

## Troubleshooting Checklist

<b>No picture &amp; No sound</b>	<ul style="list-style-type: none"><li>• Check whether the set is turned on.</li><li>• Power cord inserted into wall outlet?</li><li>• Plug another product's power cord into the wall outlet where the set's power cord was plugged in.</li></ul>
<b>Picture OK &amp; No sound</b>	<ul style="list-style-type: none"><li>• Press the <b>VOLUME</b> (▶) button.</li><li>• Sound muted? Press <b>MUTE</b> button.</li></ul> <p>Check whether the Speaker is "On" in the SOUND menu. (Refer to p. 17)</p>
<b>The remote control doesn't work</b>	<ul style="list-style-type: none"><li>• Check to see if there is any object between the set and the remote control causing obstruction.</li><li>• Check to see if the batteries are installed with the correct polarities. (Refer to p.5)</li><li>• Check if the remote control handset is set up to correct mode.</li><li>• Install new batteries. (Refer to p.5)</li></ul>
<b>Picture appears slowly, after switching on</b>	<ul style="list-style-type: none"><li>• This is normal as the image is muted during the startup process of the set. Please contact your service centre, if the picture has not appeared after five minutes.</li></ul>
<b>No or Poor colour or Poor picture</b>	<ul style="list-style-type: none"><li>• Select <b>Colour</b> in the PICTURE menu and press the <b>VOLUME</b> (▶) button. (Refer to p.16)</li><li>• Keep a certain distance between the set and the VCR.</li><li>• 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.)</li></ul>
<b>Horizontal/vertical bars or picture shaking</b>	<ul style="list-style-type: none"><li>• Check for local interference such as an electrical appliance or power tool.</li></ul>
<b>No output from one of the speakers</b>	<ul style="list-style-type: none"><li>• Adjust <b>Balance</b> in the SOUND menu. (Refer to p.16)</li></ul>
<b>Unusual sound from inside the set</b>	<ul style="list-style-type: none"><li>• A change in ambient humidity or temperature may result in an unusual noise at the time of switching off or on of the set and does not indicate a fault with the set.</li></ul>

# Product Specifications

MODEL	42PM1M 42PM1M-TA 42PM1M-ZA	42PM1MH 42PM1MH-TA	50PM1M 50PM1M-TA 50PM1M-ZA	50PM1MH 50PM1MH-TA
Width (inches / mm)	42 / 1066		49.3 / 1253	
Height (inches / mm)	25.6 / 650		29.3 / 745	
Depth (inches / mm)	3.9 / 97.5		4 / 99.5	
Weight (pounds / kg)	66 / 30		90.4 / 41	
Power requirement	AC100-240V, 50/60Hz			
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)			
Operating Humidity Range	Less than 80%			

MODEL	60PZ9M 60PZ9M-TA 60PZ9M-ZA	60PZ9MH 60PZ9MH-TA	42PM3MV 42PM3MV-TA 42PM3MV-ZA	42PM3MVH 42PM3MVH-TA
Width (inches / mm)	56.9 / 1455		41.4 / 1050	
Height (inches / mm)	34.8 / 883		24.8 / 630	
Depth (inches / mm)	4.5 / 112		3.6 / 91.5	
Weight (pounds / kg)	138.9 / 63		64 / 29	
Power requirement	AC100-240V, 50/60Hz			
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)			
Operating Humidity Range	Less than 80%			

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

