Safety Precautions

Please read these safety precautions carefully before using the product.

⚠️ **Warning** If you ignore the warning message, you may be seriously injured or there is a possibility of accident or death.

⚠️ **Caution** If you ignore the caution message, you may be slightly injured or the product may be damaged.

🔘 Precautions in installing the Product

⚠️ Warning

■ **Keep away from heat sources like electrical heaters.**
- Electrical shock, fire, malfunction or deformation may occur.

■ **Keep the packing anti-moisture material or vinyl packing out of the reach of children.**
- Anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.

■ **Do not put heavy objects on the product or sit upon it.**
- If the product collapses or is dropped, you may be injured. Children must pay particular attention.

■ **Do not leave the power or signal cable unattended on the pathway.**
- The passerby can falter, which can cause electrical shock, fire, product breakdown or injury.

■ **Install the product in a neat and dry place.**
- Dust or moisture can cause electrical shock, fire or product damage.

■ **If you can smell smoke or other odors or hear a strange sound unplug the power cord and contact the service center.**
- If you continue to use without taking proper measures, electrical shock or fire can occur.

■ **If you dropped the product or the case is broken, turn off the product and unplug the power cord.**
- If you continue to use without taking proper measures, electrical shock or fire can occur. Contact the service center.

■ **Do not drop metallic objects such as coins, hair pins, chopsticks or wire into the product, or inflammable objects such as paper and matches. Children must pay particular attention.**
- Electrical shock, fire or injury can occur. If a foreign object is dropped into the product, unplug the power cord and contact the service center.

⚠️ Caution

■ **Make sure the product ventilation hole is not blocked. Install the product in a suitably wide place (more than 10cm from the wall)**
- If you install the product too close to the wall, it may be deformed or fire can break out due to internal heat.

■ **Do not block the ventilation hole of the product by a tablecloth or curtain.**
- The product can be deformed or fire can break out due to overheating inside the product.

■ **Install the product on a flat and stable place that has no risk of dropping the product.**
- If the product is dropped, you may be injured or the product may be broken.

■ **Install the product where no EMI occurs.**

■ **Keep the product away from direct sunlight.**
- The product can be damaged.

Safety Precautions

⬤ Electrical Power Related Precautions

⚠ Warning

■ **Make sure to connect the power cable to the grounded current.**
  - You may be electrocuted or injured.

■ **Use the rated voltage only.**
  - The product can be damaged, or you may be electrocuted.

■ **During a thunder or lightning storm, unplug the power cable or signal cable.**
  - You may be electrocuted or a fire can break out.

■ **Do not connect several extension cords, electrical appliances or electrical heaters to a single outlet.
  Use a power bar with a grounding terminal designed for exclusive use with the computer.**
  - A fire can break out due to overheating.

■ **Do not touch the power plug with wet hands. Additionally, if the cord pin is wet or covered with dust, dry
  the power plug completely or wipe dust off.**
  - You may be electrocuted due to excess moisture.

■ **If you don't intend to use the product for a long time, unplug the power cable from the product.**
  - Covering dust can cause a fire, or insulation deterioration can cause electric leakage, electric shock or fire.

■ **Fix the power cable completely.**
  - If the power cable is not fixed completely, a fire can break out.

■ **Hold the plug when pulling out the power cable. Do not bend the power cord with excessive force or put
  heavy objects on the power cord.**
  - The power line can be damaged, which may cause electric shock or fire.

■ **Do not insert a conductor (like a metal chopstick) into one end of the power cable while the other end is
  connected to the input terminal on the wall. Additionally, do not touch the power cable right after
  plugging into the wall input terminal.**
  - You may be electrocuted.

■ **The power supply cord is used as the main disconnection device. Ensure that the socket-outlet is easily
  accessible after installation.**

⚠ Caution

■ **Do not unplug the power cord while the product is in use.**
  - Electrical shock can damage the product.

⬤ Precautions in Moving the Product

⚠ Warning

■ **Make sure to turn off the product.**
  - You may be electrocuted or the product can be damaged.

■ **Make sure to remove all cables before moving the product.**
  - You may be electrocuted or the product can be damaged.

Safety Precautions

⚠ Caution

■ **Do not shock the product when moving it.**
  - You may be electrocuted or the product can be damaged.

■ **Do not dispose the product-packing box. Use it when you move.**

■ **Make the panel face forward and hold it with both hands to move.**
  - If you drop the product, the damaged product can cause electric shock or fire. Contact with the service center for repair.

⬤ Precautions in Using the Product

⚠ Warning

■ **Do not disassemble, repair or modify the product at your own discretion.**
  - Fire or electric shock accident can occur.
  - Contact the service center for check, calibration or repair.

■ **Do not spray water on the product or scrub with an inflammable substance (thinner or benzene). Fire or electric shock accident can occur.**

■ **Keep the product away from water.**
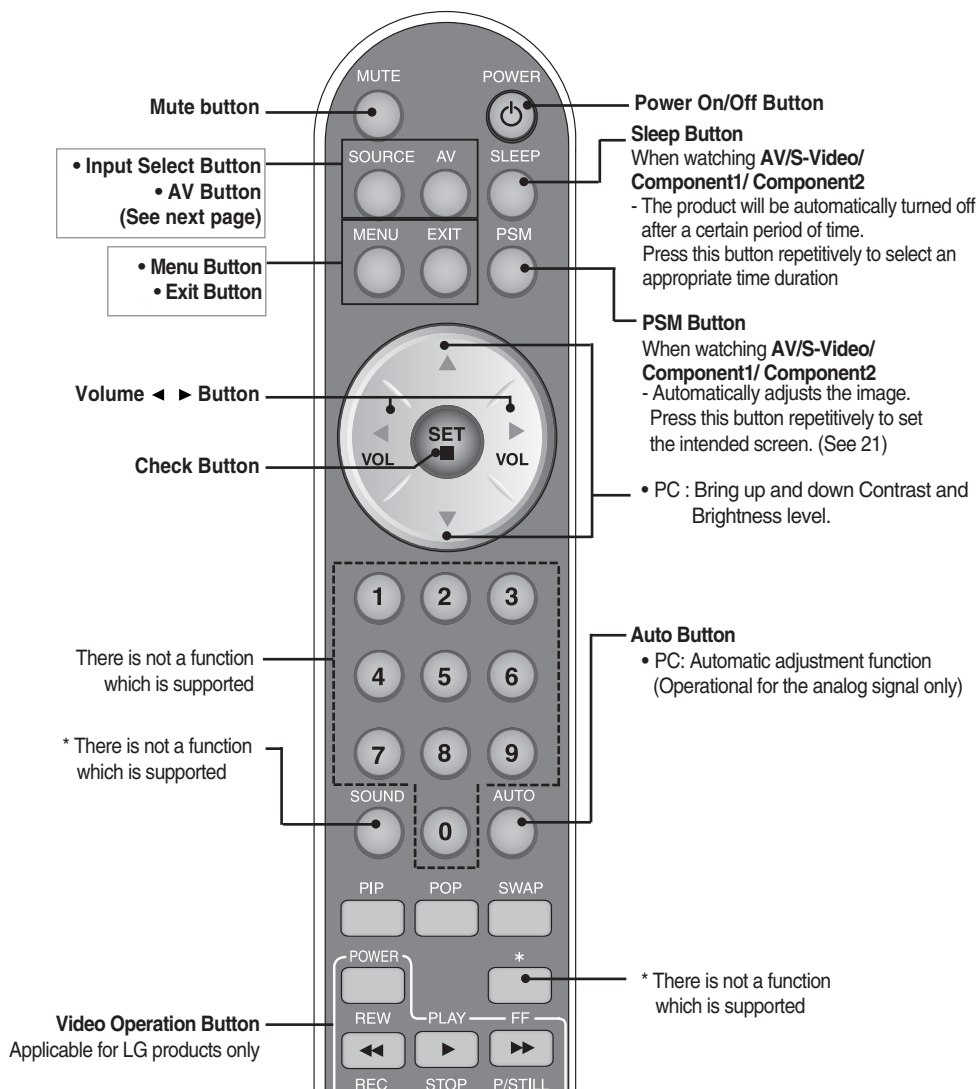 - Fire or electric shock accident can occur.

⚠ Caution

■ **Do not put or store inflammable substances near the product.**
  - There is a danger of explosion or fire due to careless handling of the inflammable substances.

■ **When cleaning the brown tube surface, unplug the power cord and scrub with soft cloth to prevent scratching. Do not clean with a wet cloth.**
  - The water can sink into the product, which can cause electric shock or serious malfunction.

■ **Take a rest from time to time to protect your vision.**

■ **Keep the product clean at all times.**

■ **Take a comfortable and natural position when working with a product to relax the muscles.**

■ **Take a regular break when working with a product for a long time.**

■ **Do not press strongly upon the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it.**

■ **Keep proper distance from the product.**
  - Your vision may be impaired if you look at the product too closely.

■ **Set the appropriate resolution and clock by referring to the User's Guide.**
  - Your vision can be impaired.

■ **Use authorized detergent only when cleaning the product. (Do not use benzene, thinner or alcohol.)**
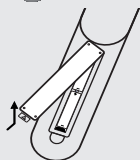 - Product can be deformed.

⬤ On Disposal

■ The fluorescent lamp used in this product contains a small amount of mercury.
■ Do not dispose of this product with general household waste.
  Disposal of this product must be carried out in accordance to the regulations of your local authority.

Using the Remote Control

● Name of the Remote Control Buttons

Mute button

• Input Select Button
• AV Button
(See next page)

• Menu Button
• Exit Button

Volume ◄ ► Button

Check Button

There is not a function which is supported

* There is not a function which is supported

Video Operation Button
Applicable for LG products only

MUTE   POWER

SOURCE AV   SLEEP

MENU EXIT   PSM

SET
VOL ■ VOL

1 2 3
4 5 6
7 8 9
SOUND 0 AUTO

PIP POP SWAP

POWER   *

REW PLAY FF
◄◄ ► ►►
REC STOP P/STILL

Power On/Off Button

Sleep Button
When watching **AV/S-Video/ Component1/ Component2**
- The product will be automatically turned off after a certain period of time.
Press this button repetitively to select an appropriate time duration

PSM Button
When watching **AV/S-Video/ Component1/ Component2**
- Automatically adjusts the image.
Press this button repetitively to set the intended screen. (See 21)

• PC : Bring up and down Contrast and Brightness level.

Auto Button
• PC: Automatic adjustment function (Operational for the analog signal only)

* There is not a function which is supported

## ● Inserting batteries into remote Control.

1. **Take out the battery cap.**

2. **Insert batteries with correct polarity (+/-).**

3. **Close the battery cap.**
   • Dispose of used batteries in the recycle bin to prevent environmental pollution.

• Input Select Button

If you press the button once, the following Input Signal Window will appear. Select the signal type you want using the ▼ ▲ button.

INPUT SELECT

AV
S-Video
Component 1
Component 2
RGB1
RGB2
DVI
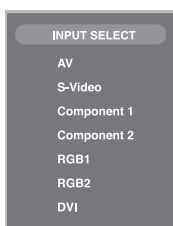
• AV Button

This button will be enabled only when you selected the AV signal. The signal type will be changed with the following order. Set the signal type you want.

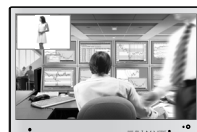AV ➔ S-Video ➔ Component 1 ➔ Component 2
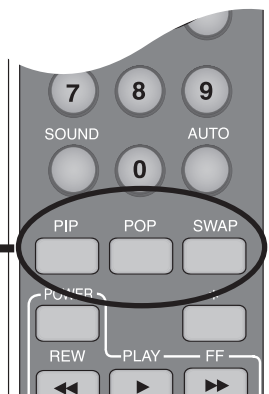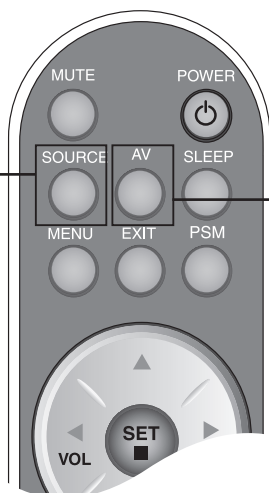
1. PIP (Picture in Picture) Button

The sub-screen moves to the next mode whenever you press this button.
: SMALL -> MEDIUM -> LARGE -> OFF

2. POP (Picture out Picture) Button

The sub-screen moves to the next mode whenever you press this button.
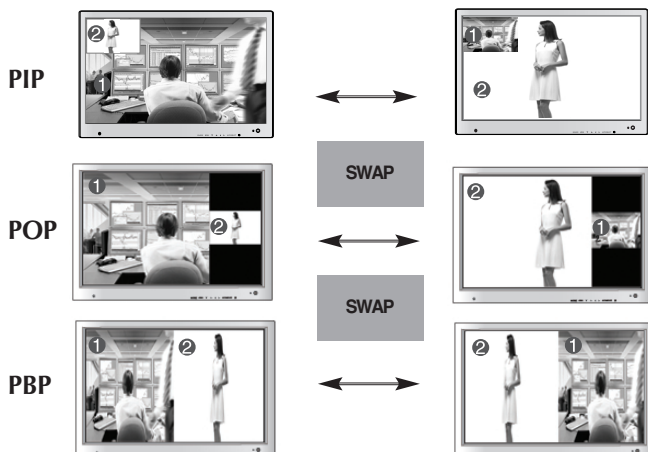: POP ON -> PBP(FULL) -> PBP(4:3) -> OFF

PIP

POP ON   **PBP (FULL)**   **PBP (4:3)**

3. **SWAP Button**

You can swap the main screen and the sub-screen when the PIP/POP/PBP function is used.

When **'Input Signal 1'** comes on in the main screen, only **'Input Signal 2'** can be displayed on the sub-screen. On the contrary, if the main screen displays **'Input Signal 2'**, the sub-screen can display **'Input Signal 1'** only. You can swap **'Input Signal 1'** and **'Input Signal 2'** using the SWAP button.

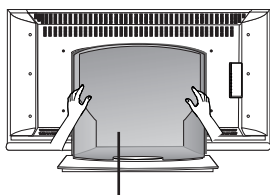***PIP** function is not supported in 480i, 576i and 1080i modes.

<Table of PIP/POP/PBP Function Support>

Main Screen / Sub-Screen	AV	S-Video	COMPONENT 1	COMPONENT 2	RGB1	RGB2	DVI
AV	X	X	X	X	●	●	●
S-Video	X	X	X	X	●	●	●
COMPONENT 1	X	X	X	X	●	●	●
COMPONENT 2	X	X	X	X	●	●	●
RGB1	●	●	●	●	X	X	●
RGB2	●	●	●	●	X	X	●
DVI	●	●	●	●	●	●	X

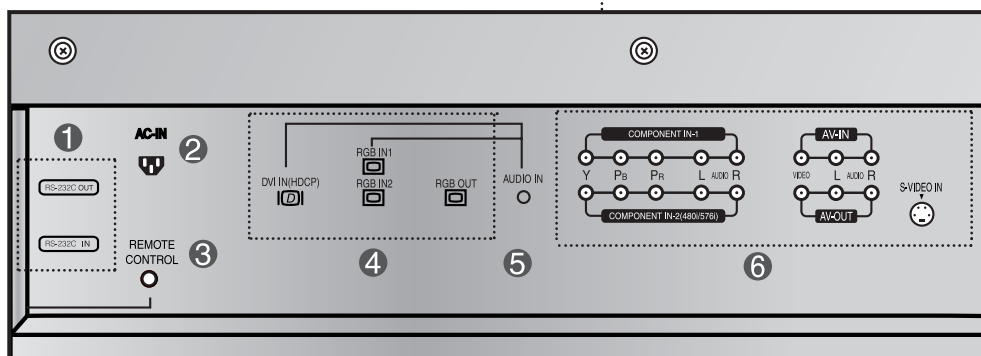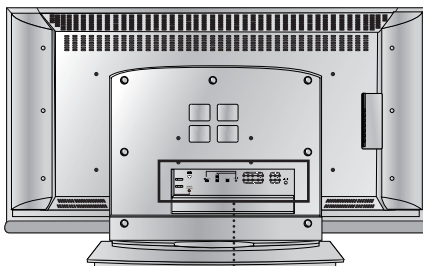# Name and Function of the Parts

* The product image in the user's guide could be different from the actual image.

● Rear View

Back Cap
- Open the back cap before you install the product.

① RS-232C Serial Ports

② Power Connector : Connect the power cord

③ Wired Remote Control Port

④ PC Signal Inputs

⑤ PC Sound Jack
  : Connect the audio cable to the *LINE OUT jack of the PC sound card.

⑥ AV Ports

---

*LINE OUT

A terminal used to connect to the speaker including a built-in amplifier (Amp). Make sure that the connecting terminal of the PC sound card is checked before connecting. If the Audio Out of PC sound card has only Speaker Out, reduce the PC volume.

If the Audio Out of the PC sound card supports both Speaker Out and Line Out, convert to Line Out using the card jumper of the program (Refer to the Sound Card Manual).
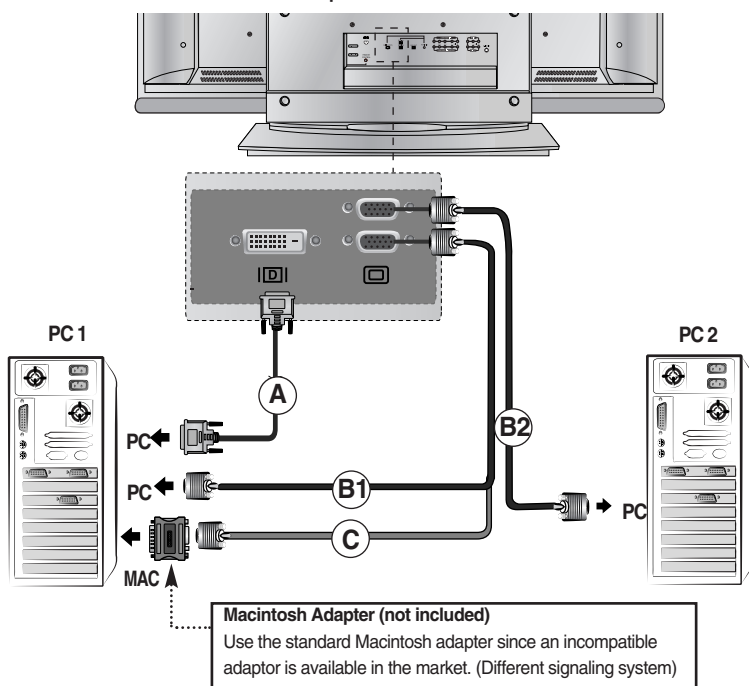
Connecting to External Devices

▪▪▪ When Connecting to your PC

1 **First of all, see if the computer, product and the peripherals are turned off.
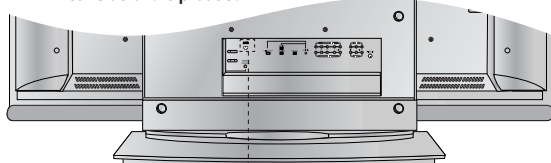Then, connect the signal input cable.**

(A) When connecting with the DVI signal input cable.

(B1) When connecting with the D-Sub signal input cable. (compatible PC1)

(B2) When connecting with the D-Sub signal input cable. (compatible PC2)

(C) When connecting with the D-Sub signal input cable. (Macintosh)
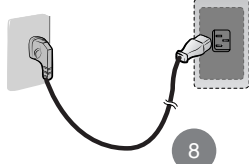
Rear side of the product.

PC 1

PC 2

A

B2

PC

PC

B1

PC

C

MAC

Macintosh Adapter (not included)
Use the standard Macintosh adapter since an incompatible
adaptor is available in the market. (Different signaling system)
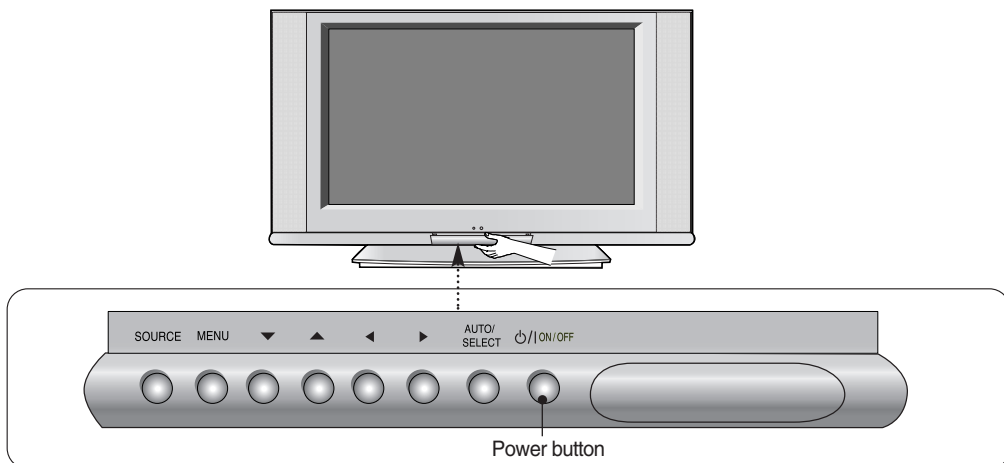
2 **Connect the power cord.**

Rear side of the product.

* When connecting to a wall outlet.

Connecting to External Devices

③ ① **Turn on power by pressing the power button on the product.**

SOURCE   MENU   ▼   ▲   ◄   ►   AUTO/SELECT   ⏻/| ON/OFF

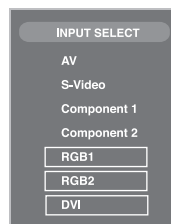Power button

② **Turn on the PC.**

④ **Select an input signal.**
Press the SOURCE button on the remote control to select the input signal.

SOURCE → ▼▲ → SET

Or, press the SOURCE button at the front side of the product.

SOURCE → ▼▲ → SELECT

INPUT SELECT

AV
S-Video
Component 1
Component 2
RGB1
RGB2
DVI

Ⓐ When connecting with a DVI-D signal input cable.
    • Select **DVI** : DVI-D digital signal.

    When connecting with a D-Sub signal input cable.

B1 **C**   • Select **RGB1** : 15-pin D-Sub analog signal.

B2   • Select **RGB2** : 15-pin D-Sub analog signal.

Note
• **How to connect to two computers.**
  Connect the signal cables (DVI and D-Sub) to each computer.
  Press the SOURCE button in a remote control to select the computer to use.
• **Directly connect to a grounded power outlet on the wall or a power bar with a ground wire.**
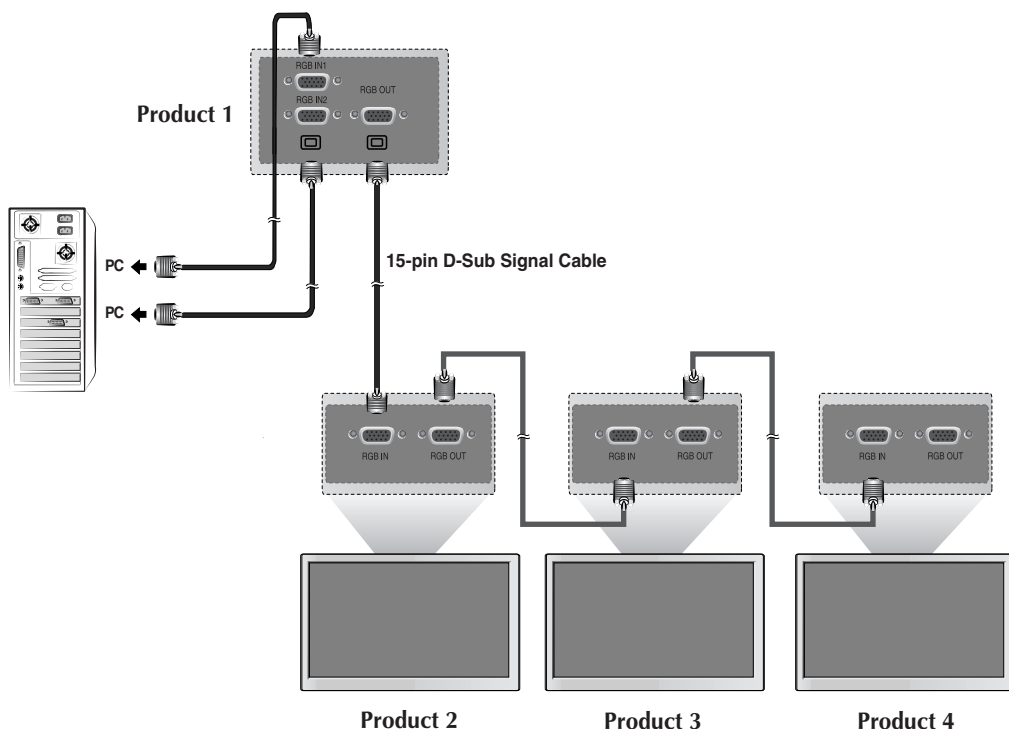
Connecting to External Devices

▪▪▪ Watching RGB Outputs

Use this function when displaying ANALOG RGB inputs of a PC to the other product.

- **To use different products connected to each other**
  Connect one end of the signal input cable(15-pin D-Sub Signal Cable) to the **RGB OUT** connector of **product 1** and connect the other end to the RGB INPUT connector of other products.

  - Change SOURCE to **RGB1** when desiring to see input signal of the **RGB1**, and select **RGB2** when desiring to input signal of the **RGB2**.

Product 1

RGB IN1
RGB IN2
RGB OUT

PC
PC

15-pin D-Sub Signal Cable

RGB IN   RGB OUT
RGB IN   RGB OUT
RGB IN   RGB OUT

Product 2   **Product 3**   **Product 4**

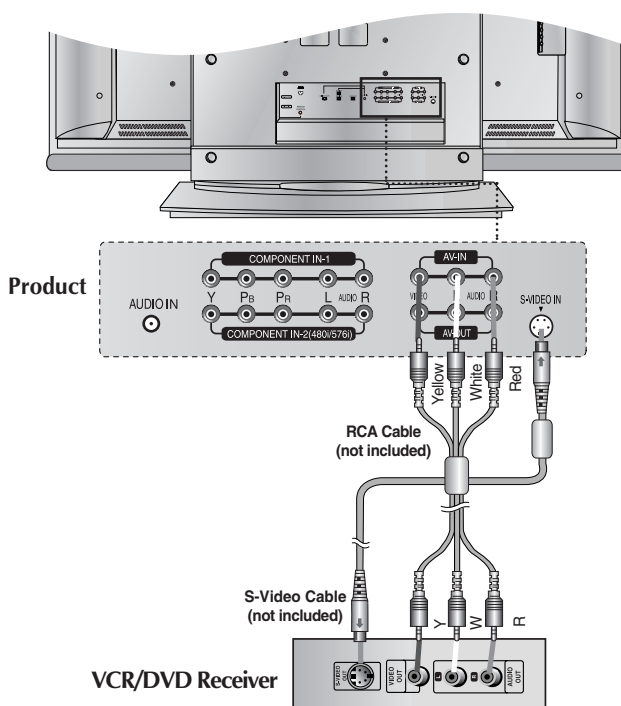# Connecting to External Devices

▪▪▪ When watching VCR / DVD

1 **Connect the video cable as shown in the below figure and then connect the power cord (See page 8).**

(A) **When connecting with a RCA cable.**
  • Connect the input terminal with a proper color match.
    (Video – Yellow, Sound (left) – White, Sound (right) – Red)

(B) **When connecting with a S-Video cable.**
  • Connect to the S-Video input terminal to watch high image quality movies.

Product

COMPONENT IN-1   AV-IN
Y P_B P_R L AUDIO R   VIDEO   AUDIO   S-VIDEO IN
AUDIO IN
COMPONENT IN-2(480i/576i)   AV-OUT

Yellow White Red

RCA Cable (not included)

S-Video Cable (not included)

VCR/DVD Receiver

2 **Select an input signal.**
Press the SOURCE button on the remote control to select the input signal.

SOURCE → ▼▲ → SET

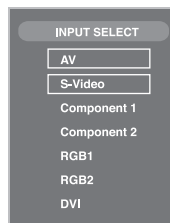**Or, press the SOURCE button at the front side of the product.**

SOURCE → ▼▲ → SELECT

INPUT SELECT
AV
S-Video
Component 1
Component 2
RGB1
RGB2
DVI

(A) When connecting with an RCA cable.
  • Select **AV.**
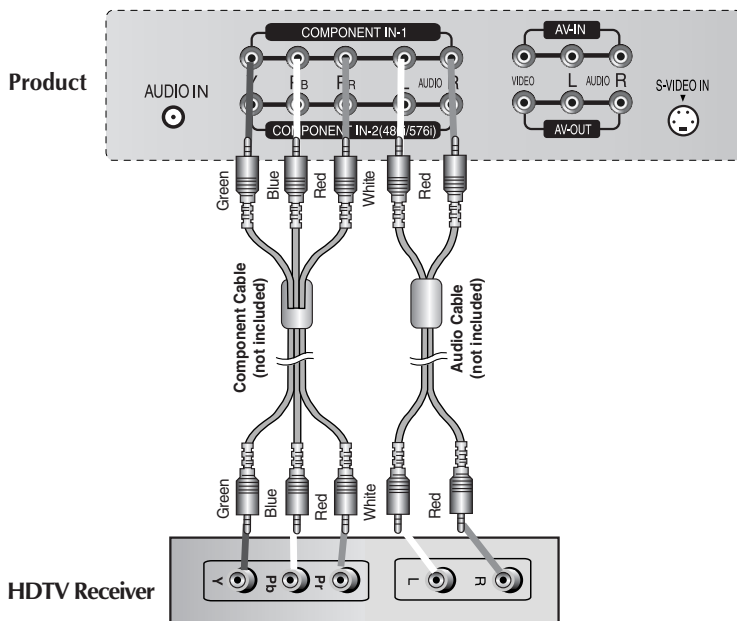**(B)** When connecting with an S-Video cable.
  • Select **S-Video.**

Connecting to External Devices

▪▪▪ When watching HDTV(720p/1080i)

1 **Connect the video/audio cable as shown in the below figure and then, connect the power cord (See page 8).**

• Connect the input terminal with a proper color match.

Product

COMPONENT IN-1
AV-IN
AUDIO IN
Pb
Pr
AUDIO R
VIDEO
L AUDIO R
S-VIDEO IN
COMPONENT IN-2(480i/576i)
AV-OUT

Green Blue Red White Red

Component Cable (not included)

Audio Cable (not included)

Green Blue Red White Red

HDTV Receiver

Y Pb Pr L R

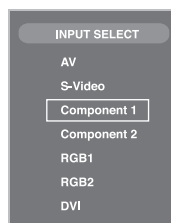* The HDTV terminal also supports SDTV (480i/480p/576i/576p).

2 **Select an input signal.**
Press the SOURCE button on the remote control to select the input signal.

SOURCE → ▼▲ → SET

Or, press the SOURCE button at the front side of the product.
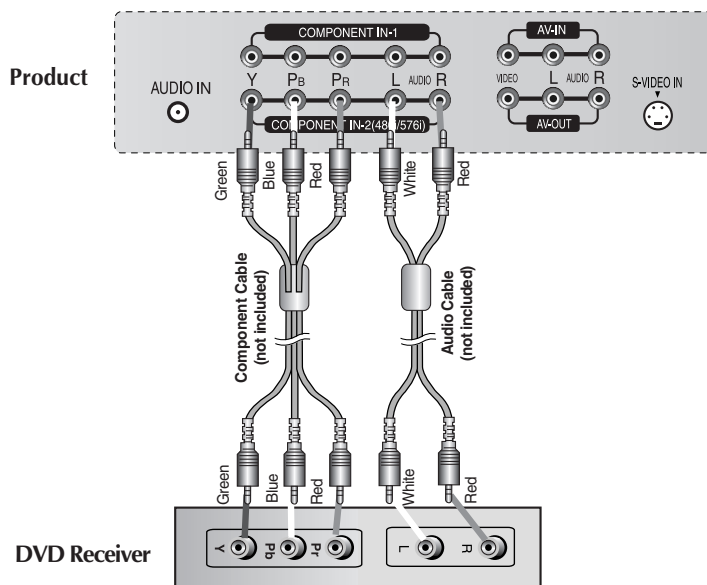
SOURCE → ▼▲ → SELECT

• Select **COMPONENT 1.**

INPUT SELECT
AV
S-Video
Component 1
Component 2
RGB1
RGB2
DVI

Connecting to External Devices

■■■ When watching DVD(480i/576i)

1 Connect the video/audio cable as shown in the below figure and then, connect the power cord (See page 8).

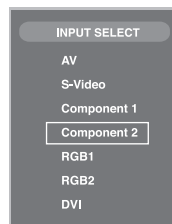• Connect the input terminal with a proper color match.

Product

DVD Receiver

Component Cable (not included)

Audio Cable (not included)

Green Blue Red White Red

2 Select an input signal.
Press the SOURCE button on the remote control to select the input signal.

SOURCE → ▼▲ → SET

Or, press the SOURCE button at the front side of the product.
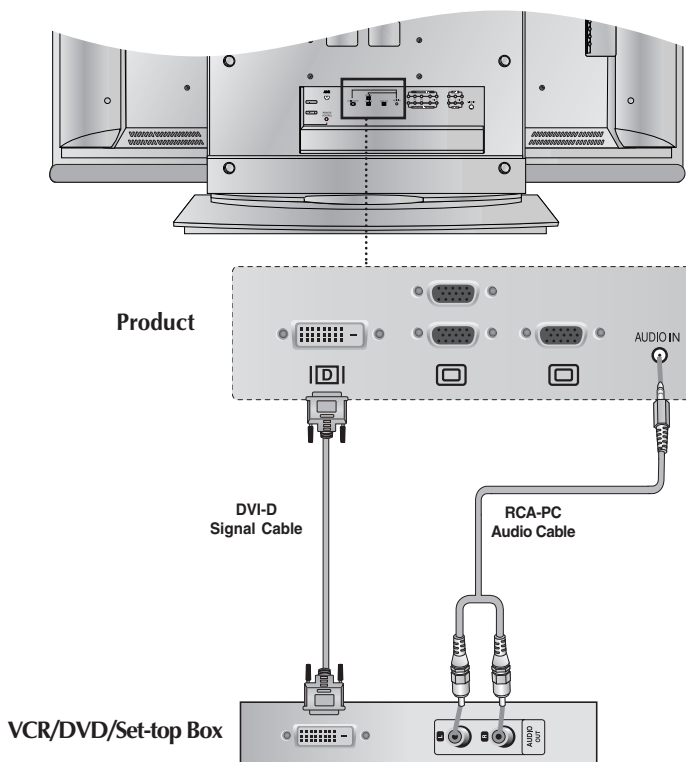
SOURCE → ▼▲ → SELECT

• Select **COMPONENT 2.**

INPUT SELECT

AV
S-Video
Component 1
Component 2
RGB1
RGB2
DVI

13

Connecting to External Devices

■■■ **When watching DVI-D(HDCP) from the VCR/DVD/Set-top Box**

1 **Connect the video/audio cable as shown in the below figure and then connect the power cord (See page 8).**

Product

DVI-D
Signal Cable

RCA-PC
Audio Cable
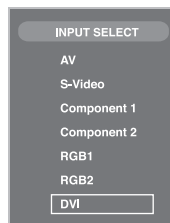
AUDIO IN

VCR/DVD/Set-top Box

2 **Select an input signal.**
Press the SOURCE button on the remote control to select the input signal.

SOURCE → ▼▲ → SET

Or, press the SOURCE button at the front side of the product.

SOURCE → ▼▲ → SELECT

• Select **DVI.**

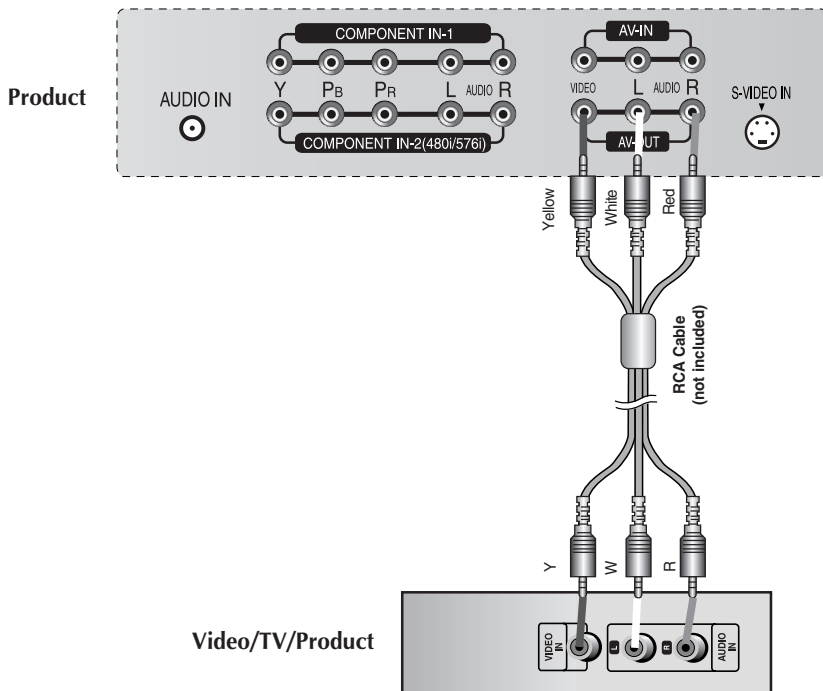INPUT SELECT

AV
S–Video
Component 1
Component 2
RGB1
RGB2
DVI

Connecting to External Devices

■■■ Watching AV Outputs

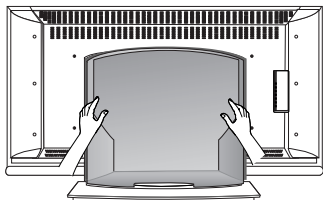**Connect to the external device if you record the broadcasting.**

• When you set the input signal of the main screen as **'AV (CVBS)'**, you can transmit the signal that you're watching to the AV output terminal.
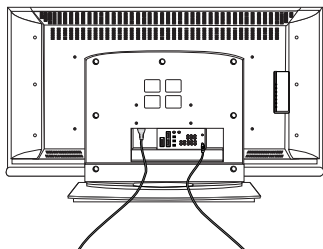
Product

Video/TV/Product

To arrange cables in order

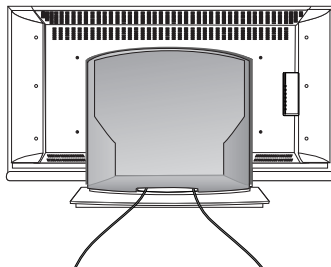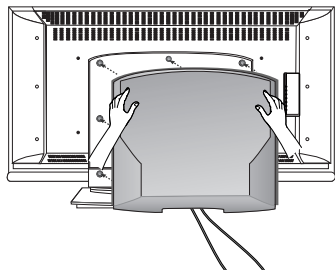*** Applicable only for models that support the stand**

1. Pull out the back panel cover using both hands by holding the sides of the cover.
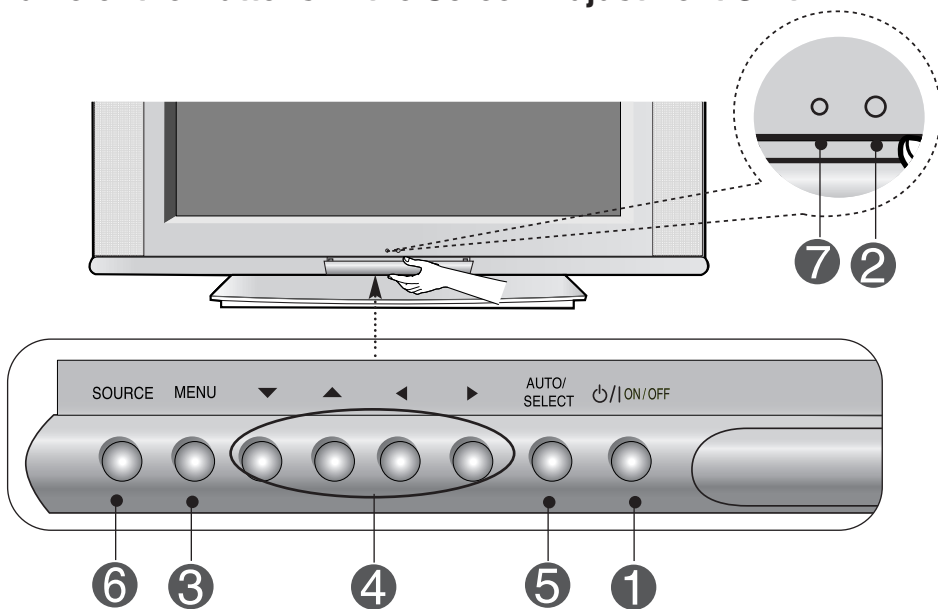

2. Connect the cables.

3. Use the holes in the back panel to close the back cover.

Selecting and Adjusting the Screen

⬤ Name of the Buttons in the Screen Adjustment Unit

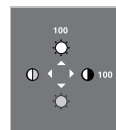|		
①	**Power Button**	• Press this button to turn on the power. Press this button again to turn it off.
②	**Power Indicator**	• This indicator lights up green when the display operates normally(on mode). If the display is in sleep (Energy Saving) mode, this indicator color changes to amber.
③	**MENU Button**	• Use this button to show/hide the OSD (On Screen Display) menu screen.
④	**OSD Select / Adjust Button**	• Use this button to select an icon or adjust the setting in the OSD screen.

▼▲ • Use this button to directly control brightness and contrast of the PC signal (RGB1, RGB2 / DVI).

◄ ► • Adjust the volume.

Name of the Buttons in the Screen Adjustment Unit

⑤ (AUTO/SELECT Button)

[For PC Analog signal]

1)
Auto in progress

(Only 1920X1080 Mode)

2)
Auto in Progress For optimal display change change resolution to 1920X1080

[Other signals]

• The current signal and mode information will be displayed.

⑥ (SOURCE Button)

SOURCE → ▼▲ → **AUTO/SELECT**

• Select the input signal

AV	Composite Video
S-Video	Separate Video
Component 1	HDTV
Component 2	DVD
RGB1	15-pin D-Sub analog signal
RGB2	15-pin D-Sub analog signal
DVI	DVI digital signal

INPUT SELECT
AV
S-Video
Component 1
Component 2
RGB1
RGB2
DVI

⑦ • The unit that receives the signal from the remote control.

Selecting and Adjusting the Screen

⬤ OSD Menu

Icon	Function Description
PICTURE	Adjusts screen brightness, contrast and color that you prefer.
SOUND	Adjusts the audio function.
SPECIAL	Adjusts the screen status according to the circumstances.
SCREEN	Adjusts the screen video.
PIP/POP/PBP	Adjusts PIP/POP/PBP mode function.

Note **OSD(On Screen Display)**
The OSD function enables you to adjust the screen status conveniently since it provides graphical presentation.

Selecting and Adjusting the Screen

How to adjust the OSD (On Screen Display) screen

MENU → | Pops up the menu screen | Move where you want to adjust | SET → Select a menu icon | Move where you want to adjust | SET → Select a menu icon | Adjust the status | SET → Save adjustment | EXIT → Exit from the menu screen.

• Use the remote control to adjust the OSD screen.

1	Press the **MENU** Button, then the main menu of the OSD appears.
2	To access a control, use the ▼ ▲ Buttons.
3	When the icon you want becomes highlighted, press the **SET** Button.
4	Use the ▼ ▲ ◄ ► Buttons to adjust the item to the desired level.
5	Accept the changes by pressing the **SET** Button.
6	Exit the OSD by pressing the **EXIT** Button.

How to adjust the screen automatically

You need to adjust the screen display when connecting the product to a new computer or changing the mode. Refer to the following section to set an optimal product screen.

Auto in progress

Press the AUTO/SELECT button (**AUTO button** in a remote Control) in the PC analog signal. Then, an optimal screen status will be selected that fits into the current mode.

If adjustment is not satisfactory, you need to adjust screen position, clock and phase in the OSD menu.

Adjusting Screen Color

EZ Video

```
            PICTURE

EZ Video            ▶      Dynamic
ACC                        Standard
Contrast        50         Mild
Brightness      50         Game
Color           50       ∨ User              ▶
Sharpness       50
Tint             0

                        MENU   Prev
```
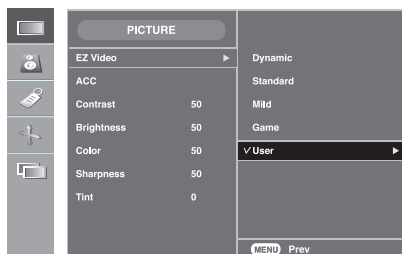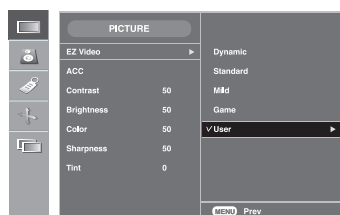
AV/S-Video/Component 1/ Component 2 input only

The **EZ Video** function automatically adjusts the screen image quality depending on the AV usage environment.
• **Dynamic** : Select this option to display with a sharp image.
• **Standard** : The most general and natural screen display status.
• **Mild** : Select this option to display with a mild image.
• **Game** : Select this option to enjoy dynamic image when playing a game.
• **User** : Select this option to use the user-defined settings.

```
            PICTURE

EZ Video            ▶      Dynamic
ACC                        Standard
Contrast        50         Mild
Brightness      50         Game
Color           50       ∨ User              ▶
Sharpness       50
Tint             0

                        MENU   Prev
```

Contrast
To adjust the contrast of the screen.
Brightness
To adjust the brightness of the screen.
Color
To adjust the color to desired level.
Sharpness
To adjust the cleaness of the screen.
Tint
To adjust the tint to desired level.

ACC

```
            PICTURE

EZ Video                 ∨ Warm
ACC                 ▶      Normal
                           Cool




                        MENU   Prev
```

Selecting a factory setting color set.
• **Warm** : Slightly reddish white.
• **Normal** : Slightly bluish white.
• **Cool** : Slightly purplish white.

Note If the input is **RGB1, 2**(D-Sub analog)/**DVI**(DVI Digital), the adjustable items in the ACC function are color temp (6500K / 9300K / 3600K).
If the **'EZ Video'** setting in the **PICTURE** menu is set to **Dynamic, Standard, Mild** or **Game** the subsequent menus will be automatically set.

Selecting and Adjusting the Screen

Adjusting Screen Color

ACC

PICTURE	
EZ Video	√ 6500K
ACC ▶	9300K
	3600K
	User

MENU Prev

RGB1, 2 / DVI input only

• 6500K/9300K/3600K
Selecting a factory setting color set.
6500K: Slightly reddish white.
9300K: Slightly bluish white.
3600K: Slightly yellowish white.

• User : Select this option to use the user-defined settings.

PICTURE		
EZ Video		6500K
ACC	▶	9300K
Contrast	50	3600K
Brightness	50	√ User ▶
Red	50	
Green	50	
Blue	50	

MENU Prev

Contrast
To adjust the contrast of the screen.
Brightness
To adjust the brightness of the screen.
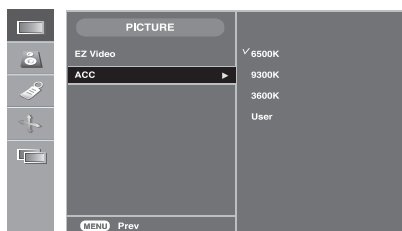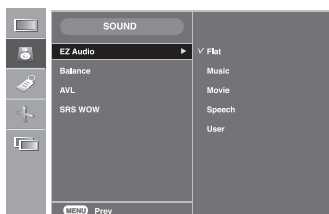**Red / Green / Blue**
Set your own color levels.

Adjusting the audio function

- The function is only available on the products that come with speakers.

EZ Audio

SOUND	
EZ Audio ▶	√ Flat
Balance	Music
AVL	Movie
SRS WOW	Speech
	User

MENU Prev

The best sound tone quality will be selected automatically depending on the video type that you're currently watching.

• Flat
The most commanding and natural audio.

• Music
Select this option to enjoy the original sound when listening to the music.

• Movie
Select this option to enjoy sublime sound.

• Speech
Select this option to watch sports broadcasting.

• User
Select this option to use the user-defined audio settings.

Balance   Use this function to balance sound from the left and right speakers.

AVL   To adjust uneven sound volumes across all channels or signals automatically to the most appropriate level. To use this feature, select On.

SRS WOW   Set the SRS WOW menu on.
The SRS WOW function plays back the mono or stereo sound input with the dynamic surround effects. It will provide rich and profound sound tone. If you set the SRS WOW on, user audio setting can not be adjusted.
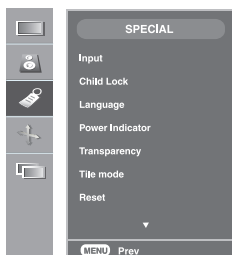
Note | When connected to your computer and the **'EZ Audio'** setting in the audio menu is one of **Flat**, **Music**, **Movie** or **Speech**, the available menus are Balance, **AVL** and **SRS WOW** .
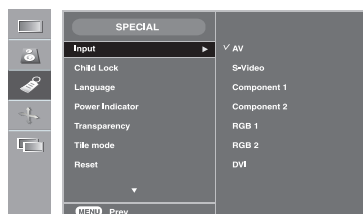
Selecting the options

```
                    SPECIAL
              Input
              Child Lock
              Language
              Power Indicator
              Transparency
              Tile mode
              Reset
                      ▼
              MENU  Prev
```

Input

```
                    SPECIAL
              Input          ▶    ∨ AV
              Child Lock          S-Video
              Language            Component 1
              Power Indicator     Component 2
              Transparency        RGB 1
              Tile mode           RGB 2
              Reset               DVI
                    ▼
              MENU  Prev
```

If you press the button once, the following Input Signal Window will appear. Select the signal type you want using the ▼ ▲ button.

Child Lock   Use the ▼ ▲ buttons to select **On** or **Off**. The Set can be set up so that it can only be used with the remote control. This feature can prevent unauthorized viewing.

In order to lock the OSD screen adjustment, set the **Child Lock** tab to the '**On**' position. In order to unlock it, do the following :
1) Push the **MENU** button on the remote control and set **Child Lock** to the '**Off**' position.

Language   To choose the language in which the control names are displayed.

Power Indicator   Use this function to set the power indicator on the front side of the product to **On** or **Off**. If you set **Off**, it will go off. If you set **On** at any time, the power indicator will automatically be turned on.

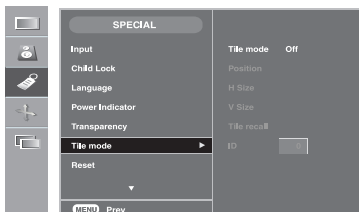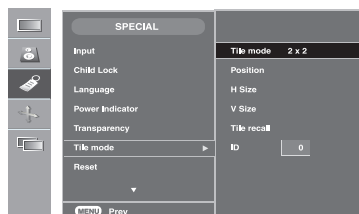**Transparency**   To adjust the transparency of the OSD menu screen.

Selecting the options

• To use this function
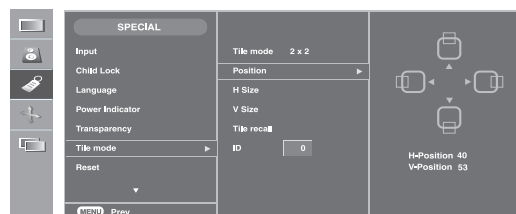- You can connect the product with several other products and use the Tile mode function.

Tile mode

```
        SPECIAL
Input              Tile mode     Off
Child Lock         Position
Language           H Size
Power Indicator    V Size
Transparency       Tile recall
Tile mode    ▶     ID            0
Reset
        ▼
MENU  Prev
```

It is used to enlarge the screen and also used with several products to view screen,

```
        SPECIAL
Input              Tile mode     2 x 2
Child Lock         Position
Language           H Size
Power Indicator    V Size
Transparency       Tile recall
Tile mode    ▶     ID            0
Reset
        ▼
MENU  Prev
```

Tile mode and choose Tile alignment and set the ID of the current product to set location.

* Only after pressing the SET button the adjustments made to the settings will be saved.

```
        SPECIAL
Input              Tile mode     2 x 2
Child Lock         Position          ▶
Language           H Size
Power Indicator    V Size
Transparency       Tile recall
Tile mode    ▶     ID            0
Reset
        ▼
MENU  Prev
                           H-Position  40
                           V-Position  53
```

• Position
The location of the screen can be adjusted at the Position menu and can be set by adjusting the size of the bezel.

* If you exit the menu after making the changes to the settings the adjustments will be saved.

```
        SPECIAL
Input              Tile mode     2 x 2
Child Lock         Position
Language           H Size            ▶    0
Power Indicator    V Size
Transparency       Tile recall
Tile mode    ▶     ID            0
Reset
        ▼
MENU  Prev
```

• H Size
Adjust the horizontal size of the screen taking into account the size of the bezel.

• V Size
Adjust the vertical size of the screen taking into account the size of the bezel.

• Tile recall
Function to initialize and release Tile.
All Tile setting are released when selecting.
Tile recall and the screen returns to Full screen.

• ID
Select the location of the Tile by setting an ID.
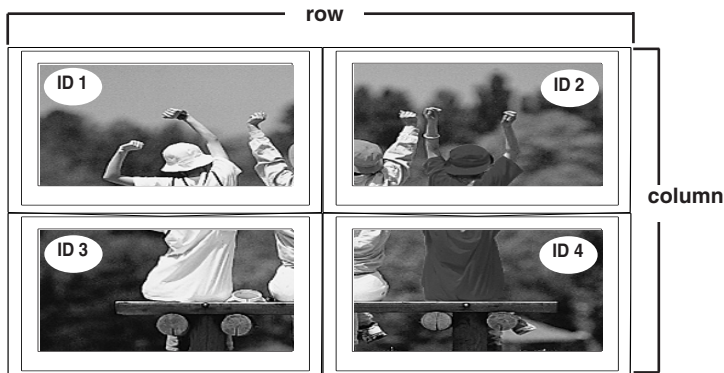
Selecting and Adjusting the Screen

Selecting the options

• **Tile mode**
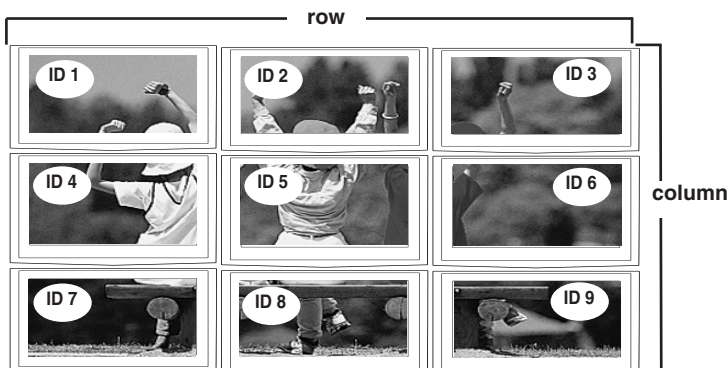- Tile mode : row x column (r = 1, 2, 3, 4 c = 1, 2, 3, 4)
- 4 x 4 available.
- Configuration of an integration screen is also available as well as configuration of one by one Display.

- **Tile mode (product 1 ~ 4) : r(2) x c(2)**
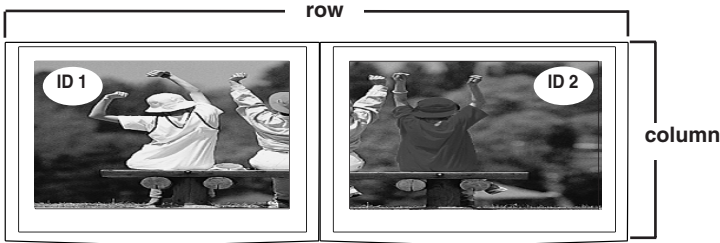

- **Tile mode (product 1 ~ 9) : r(3) x c(3)**

Selecting and Adjusting the Screen

Selecting the options

- **Tile mode (product 1 ~ 2) : r(2) x c(1)**
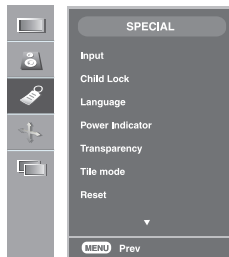
row

ID 1   ID 2

column

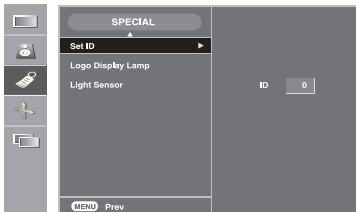**Reset**   Use this function to reset the product to the factory default. However, language selection will not be initialized.

Selecting the options

SPECIAL

Input
Child Lock
Language
Power Indicator
Transparency
Tile mode
Reset

MENU Prev

Set ID

SPECIAL

Set ID   ▶
Logo Display Lamp
Light Sensor

ID   0

MENU Prev

You can assign a unique **Set ID** NO (name assignment) to each product when several products are connected for display. Specify the number (0~99) using the ▼ ▲ button and exit. Use the assigned Set ID to individually control each product using the Product Control Program.

Logo Display Lamp   Use this function to set the Logo Dispaly Lamp on the front side of the product to **On** or **Off**. If you set **On**, the lamp will automatically be turned on.
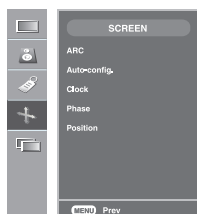
Light Sensor   Use this function to set the Light Sensor on the front side of the product to **On** or **Off**. If you set **On**, the sensor will automatically be turned on.
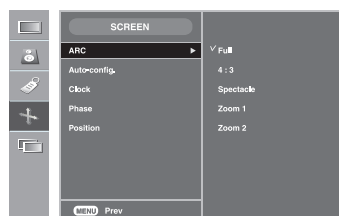
Adjusting Screen CLOCK/PHASE and Position

```
                SCREEN

        ARC
        Auto config.
        Clock
        Phase
        Position



        MENU  Prev
```

ARC
To select the image size of the screen.

<**AV/S-Video/Component 1, 2** input only>

```
                SCREEN              √ Full

        ARC            ▶            4 : 3
        Auto config.                Spectacle
        Clock                       Zoom 1
        Phase                       Zoom 2
        Position



        MENU  Prev
```

<**RGB1, 2 / DVI** input only>

```
                SCREEN              √ Full

        ARC            ▶            1 : 1
        Auto config.                Zoom 1
        Clock
        Phase
        Position



        MENU  Prev
```

*When the **component 1** input signal is 720p or 1080i, the spectacle function is not supported.

Auto config.
This button is for the automatic adjustment of the screen position, clock and phase.
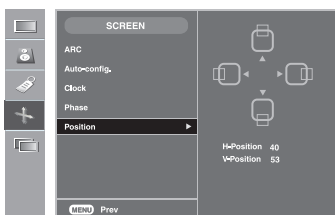This function is suitable for analoge singnal input only(RGB PC input only).

Clock
To minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change. This function is suitable for analoge singnal input only(RGB PC input only).

Phase
To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters. This function is suitable for analoge singnal input only(RGB PC input only).

Position

```
                SCREEN

        ARC
        Auto config.
        Clock
        Phase
        Position            ▶

                    H-Position   40
                    V-Position   53


        MENU  Prev
```

To adjust position of the screen
(RGB PC input only).
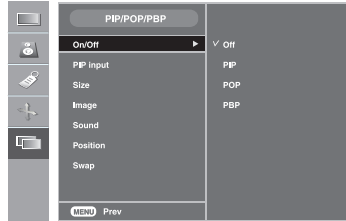Press the ▶ button to display the submenu for position.

◀ Left   Moving the screen position
▶ Right   horizontally.

▲ Up   Moving the screen position
▼ Down   vertically.

Selecting and Adjusting the Screen

Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

```
                    PIP/POP/PBP
     On/Off                    ▶     ✓ Off
     PIP input                         PIP
     Size                              POP
     Image                             PBP
     Sound
     Position
     Swap

         MENU   Prev
```

On/Off

PIP

After selecting **PIP** in the **PIP On/Off** menu, the following menu items can be adjusted.

POP

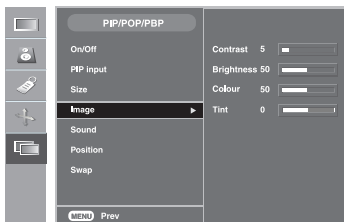After selecting **POP** in the **POP On/Off** menu, the following menu items can be adjusted.

PBP

After selecting **PBP** in the **PBP On/Off** menu, the following menu items can be adjusted.

PIP input   To select an input signal for PIP/POP/PBP.

Size   To adjust the size of the PIP/POP/PBP screen. (PIP : Small, Medium, Large / PBP : Full, 4:3)

Image   To adjust the image of the PIP/POP/PBP screen; Press the ▶ button to display the submenu for PIP/POP/PBP image. Use the ◀ ▶ buttons to adjust the item to the desired level. The items of the sub-menu may vary depending on the type of the source.

```
                 PIP/POP/PBP
     On/Off                 Contrast     5
     PIP input              Brightness   50
     Size                   Colour       50
     Image          ▶       Tint         0
     Sound
     Position
     Swap

         MENU   Prev
```

■ Contrast
Adjust PIP/POP/PBP screen contrast.

■ Brightness
Adjust PIP/POP/PBP screen brightness.

■ Color
Adjust the PIP/POP/PBP screen color.

■ Tint
To adjust the tint to desired level.
This function is available only in NTSC

* The sub-menu can differ according to the type of the input signal.
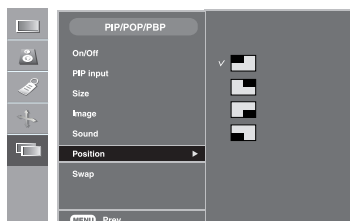
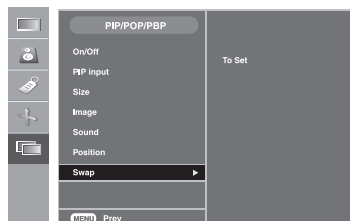**Sound**   To turn the PIP/POP/PBP sound on/off.

Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

Position

```
PIP/POP/PBP
On/Off
PIP input
Size
Image
Sound
Position          ▶
Swap

MENU  Prev
```
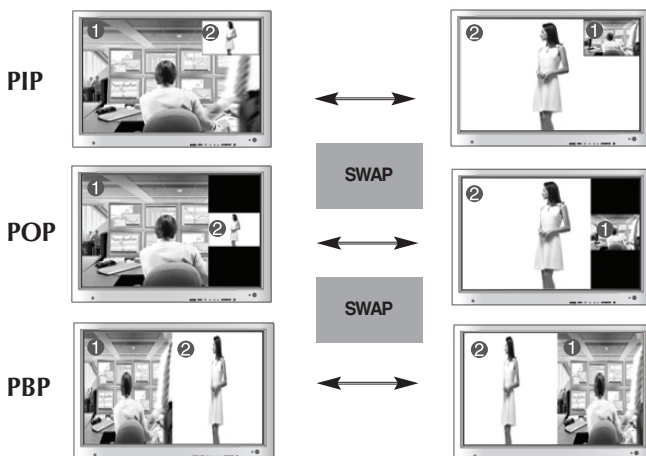
To adjust the position to PIP screen.

Swap

```
PIP/POP/PBP
On/Off              To Set
PIP input
Size
Image
Sound
Position
Swap              ▶

MENU  Prev
```

To switch the main-screen and sub-screen in PIP/POP/PBP mode.

PIP

POP

SWAP

SWAP

PBP

Troubleshooting

No image is displayed

● **Is the product power cord connected?**	• See if the power cord is properly connected to the outlet.
● **Is the power indicator light on?**	• See if the power switch is turned on.
● **Power is on, power indicator is green but the screen appears extremely dark.**	• Adjust brightness and contrast again.
● **Is the power indicator amber?**	• If the product is in power saving mode, move the mouse or press any key.

● **Does the 'Out of range' message appear?**	• The signal from the PC (video card) is out of the vertical or horizontal frequency range of the product. Adjust the frequency range by referring to the Specifications in this manual.
	  * Maximum resolution
	  RGB1 / RGB2 : 1920 X 1080 @60Hz
	  DVI : 1920 X 1080 @60Hz

● **Does the 'Check signal cable' message appear?**	• The signal cable between PC and product is not connected. Check the signal cable. • Press the 'SOURCE' menu in the remote Control to check the input signal.

'Unknown Product' message appears when the product is connected.

● **Did you install the driver?**	• Install the product driver, which is provided with the product, or download it from the web site. (http://www.lge.com)
	• See if the plug&play function is supported by referring to the video card user manual.

'Controls locked' message appears.

● **The 'Controls locked' message appears when pressing the Menu button.**	• The control locking function prevents unintentional OSD setting change due to careless usage. To unlock the controls, simultaneously press the Menu button and ▶ button for several seconds. (You cannot set this function using the remote control buttons. You can set this function in the product only.)

Note

* **Vertical frequency:** To enable the user to watch the product display, screen image should be changed tens of times every second like a fluorescent lamp. The vertical frequency or refresh rate is the times of image display per second. The unit is Hz.

* **Horizontal frequency:** The horizontal interval is the time to display one vertical line. When 1 is divided by the horizontal interval, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.

Troubleshooting

The screen image looks abnormal.

● **Is the screen position wrong?**

- D-Sub analog signal – Press the "AUTO" button in the remote control to automatically select the optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Position OSD menu.
- See if the video card resolution and frequency are supported by the product. If the frequency is out of range, set to the recommended resolution in the Control Panel – Display – Setting menu.

● **Do thin lines appear on the background screen?**

- D-Sub analog signal – Press the "AUTO" button in the remote control to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Clock OSD menu.

● **Horizontal noise appears or the characters look blurred.**

- D-Sub analog signal – Press the "AUTO" button in the remote control to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Phase OSD menu.

● **Screen size is automatically adjusted when connected to the PC.**

- If the screen size is not full when connected to the PC, execute the PIP/POP/PBP to change to full screen mode.

● **Brightness differs in the main and sub screen when connected to the PC.**

- You cannot adjust brightness and tint in the PIP/POP/PBP Screen menu for the sub-screen among PIP/POP/PBP menus. Therefore, brightness can be different for the sub-screen.

● **The screen is displayed abnormally.**

- The proper input signal is not connected to the signal port. Connect the signal cable that matches with the source input signal.

After-image appears on the product.

● **After-image appears when the product is turned off.**

- If you use a fixed image for a long time, the pixels may be damaged quickly. Use the screensaver function.

31

Troubleshooting

The audio function does not work.

● **No sound?**
- See if the audio cable is connected properly.
- Adjust the volume.
- See if the sound is set properly.

● **No sound is available when the PIP/POP/PBP mode is engaged.**
- See if the Sound is set to On in the PIP/POP/PBP menu.

● **Sound is too dull.**
- Select the appropriate equalize sound.

● **Sound is too low.**
- Adjust the volume.

The screen size function in the OSD menu does not work.

● **The screen size function in the OSD menu does not work.**
- See if the PIP/POP/PBP function is in use. If the PIP/POP/PBP function is in use, the screen size function may not work.

Screen color is abnormal.

● **Screen has poor color resolution (16 colors).**
- Set the number of colors to more than 24 bits (true color)
  Select Control Panel – Display – Settings – Color Table menu in Windows.

● **Screen color is unstable or mono-colored.**
- Check the connection status of the signal cable. Or, re-insert the PC video card.

● **Do black spots appear on the screen?**
- Several pixels (red, green, white or black color) may appear on the screen, which can be attributable to the unique characteristics of the LCD panel. It is not a malfunction of the LCD.

Specifications

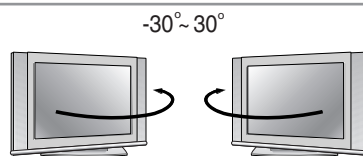**The product specifications can change without prior notice for product improvement.**

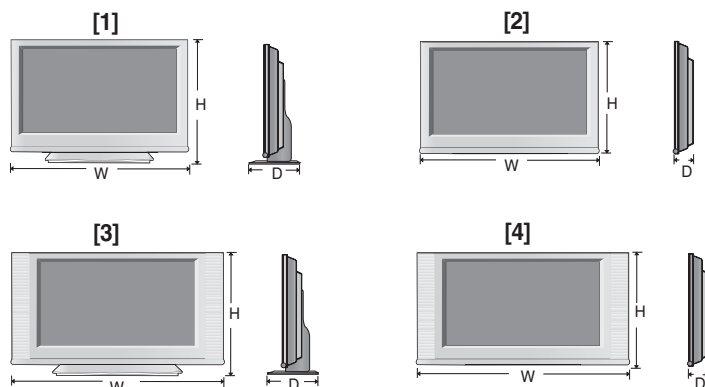|	
LCD Panel	55 inches (139.7 cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 139.7 cm 0.630 mm (Pixel Pitch)

Power

Rated Voltage	AC 100-240V~ 50/60Hz 3.5A
Power Consumption	On Mode : 315W (Without Speaker) Sleep Mode : ≤ 3W Off Mode : ≤ 3W

Stand range

-30˚~ 30˚

Dimensions &Weight

[1] [2] [3] [4]

Width x Height x Depth

[1] 1375.4 mm (54.1 inches) x 943.2 mm (37.13 inches) x 320.0 mm (12.59 inches)
[2] 1375.4 mm (54.1 inches) x 878.0 mm (34.56 inches) x 143.0 mm (5.63 inches)
[3] 1612.0 mm (63.4 inches) x 943.2 mm (37.13 inches) x 320.0 mm (12.59 inches)
[4] 1612.0 mm (63.4 inches) x 878.0 mm (34.56 inches) x 143.0 mm (5.63 inches)

Net
[1] 68.5 kg (151.01 lbs)   **[2]** 55.0 kg (121.25 lbs)
[3] 72.9 kg (160.71 lbs)   **[4]** 59.7 kg (131.61 lbs)

NOTE
▪ Information in this document is subject to change without notice.

Specifications

The product specifications can change without prior notice for product improvement.

Video Signal	Max. Resolution	RGB1 / RGB2 : 1920 X 1080 @60Hz DVI : 1920 X 1080 @60Hz – It may not be supported depending on the OS or video card type.
	Recommended Resolution	RGB1 / RGB2 : WSXGA 1920 X 1080 @60Hz DVI : WSXGA 1920 X 1080 @60Hz – It may not be supported depending on the OS or video card type.
	Horizontal Frequency	30 - 83 kHz
	Vertical Frequency	56 - 85 Hz
	Synchronization Type	Separate/Composite/SOG (Sync On Green)/Digital
Input Connector		15-pin D-Sub type, DVI-D (digital), S-Video, Composite Video, HDTV, DVD, RS-232C
Environmental Conditions	Operational Condition Storage Condition	Temperature: 5˚C ~ 35˚C , Humidity: 10% ~ 80% Temperature: -20˚C ~ 60˚C , Humidity: 5% ~ 95%

* Applicable only for models that support the speakers

Audio	RMS Audio Output	10W+10W(R+L)
	Input Sensitivity	0.7Vrms
	Speaker Impedance	8Ω

NOTE
- Information in this document is subject to change without notice.

Specifications

PC Mode – Preset Mode

Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)		Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)
1	VGA	640 x 350	31.469	70		11	VESA	1024 x 768	60.123	75
2	VGA	720 x 400	31.468	70		12	VESA	1024 x 768	68.68	85
3	VGA	640 x 480	31.469	60		13	VESA	1360 x 768	47.72	60
4	VESA	640 x 480	37.500	75		14	VESA	1280 x 1024	63.981	60
5	VESA	640 x 480	43.269	85		15	VESA	1280 x 1024	79.98	75
6	VESA	800 x 600	37.879	60		16	VESA	1920 x 1080	66.587	60
7	VESA	800 x 600	46.875	75						
8	VESA	800 x 600	53.674	85						
9	MAC	832 x 624	49.725	75						
10	VESA	1024 x 768	48.363	60						

Power Indicator

Mode	Product
On Mode	Green
Sleep Mode	Amber
Off Mode	-

VESA wall mounting

Connected to another object (stand type and wall-mounted type).
This product accepts a VESA-compliant mounting interfacepad.
(This has to be purchased separately if required.)
For further information, refer to the VESA Wall Mounting Instruction Guide.