



Selecting and Adjusting the Screen



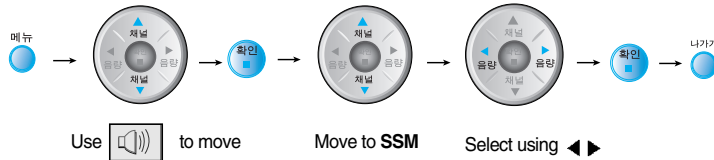
Adjusting the audio function

Adjusting the audio automatically.

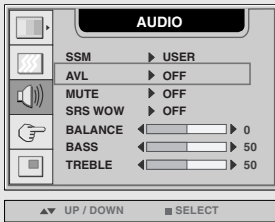


The audio will be automatically calibrated according to the type of the playback video.

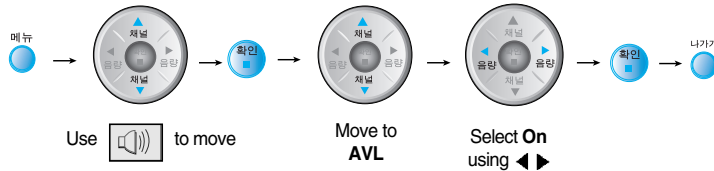
- User: Select this option to use the user-defined audio settings.
- Flat: The most commanding and natural audio.
- Movie: Select this option to watch a movie.
- Music: Select this option to listen to music.
- Sport: Select this option to watch sports broadcasting.



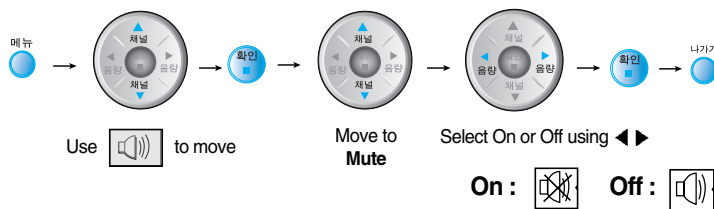
Adjusting the volume automatically



Use this function to automatically adjust volume that is uneven for each channel or signal so that the most appropriate level can be selected.



Muting the sound temporarily



When connected to your computer and the SSM setting in the audio menu is one of Flat, Movie, Music or Sport, the available menus are VAL, Mute, SRS WOW and Balance.



Adjusting the audio function

Selecting rich surround sound



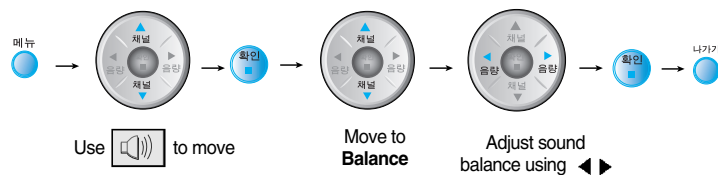
Set the SRS WOW menu on to give a surround sound effect in mono/stereo sound or 2-channel speakers.



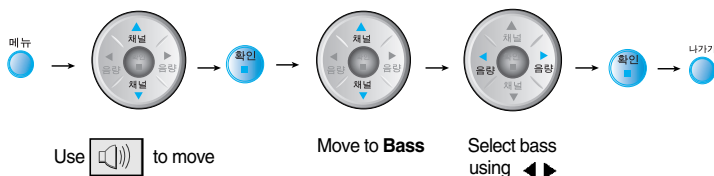
Adjusting sound balance



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



Adjusting audio bass



Adjusting audio treble





Selecting and Adjusting the Screen



Selecting the options

Displaying the menu with a different language

Use to move

Move to **Language**

Select a language using

Selecting screen size

Use to move

Move to **Image Size**

Select screen size using (Full or 1:1)

Moving the menu screen

Change the position of the OSD screen on the monitor.

Use to move

Move to **OSD Position**

Select using

■ Moving the OSD screen position horizontally ■ Moving the OSD screen position vertically


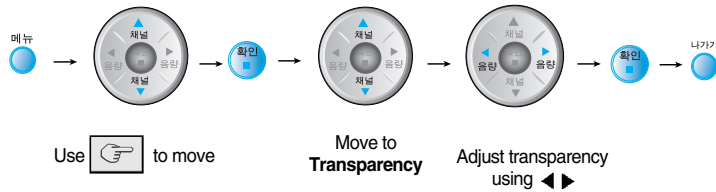
← Left
→ Right


▲ Up
▼ Down





Selecting the options

Adjusting transparency of the menu screen


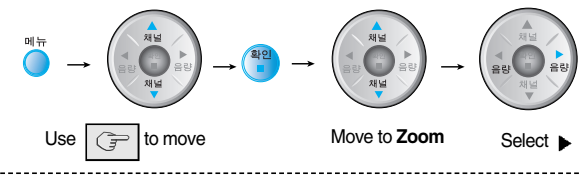
Use  to move


Move to **Transparency**

Adjust transparency using  


Zooming the screen


Use this function to zoom in the screen. When you turn the monitor off and on again, the default screen size will be restored.



Use  to move

Move to **Zoom**

Select 


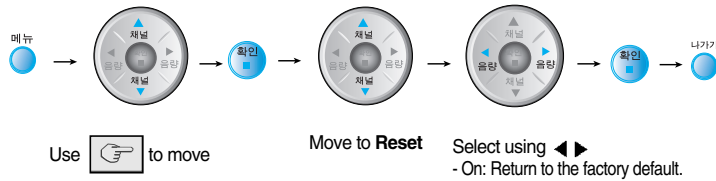



Select Zoom, H Position or V Position

Adjust the value using  



Initializing to the factory default

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

Use  to move

Move to **Reset**

Select using  

- On: Return to the factory default.



Note When connected to your computer, the **Zoom** menu will be disabled if the screen size is 1:1 or PIP/POP/PBP is in use.



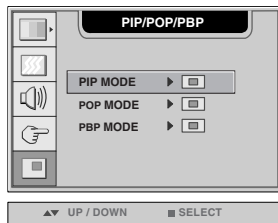
Selecting and Adjusting the Screen



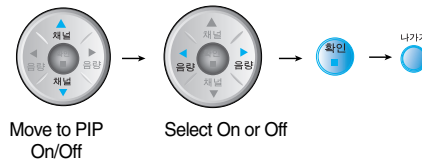
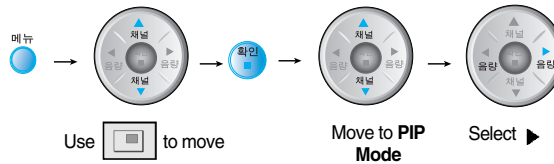
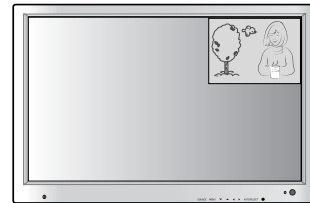
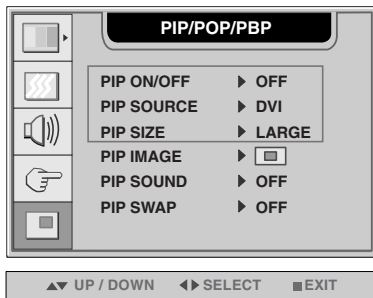
Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

PIP/POP/PBP Mode Functions

Showing/Hiding PIP Screen

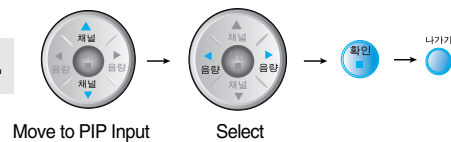


Select ▶



* If you select PIP On, you can adjust the following menus.

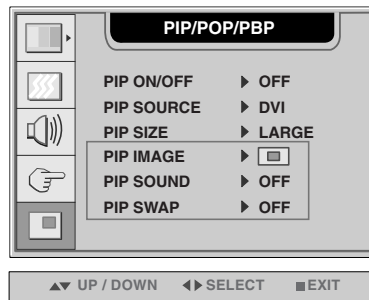
Selecting the input signal for the PIP screen.



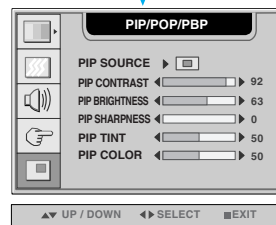
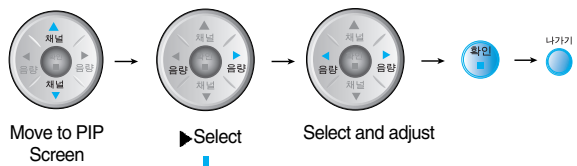
Selecting the PIP screen size



PIP (Picture In Picture) Mode Functions



Adjusting PIP Screen Image



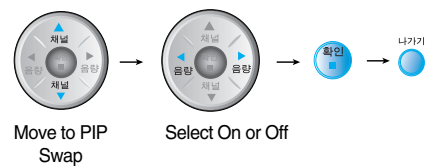
- **PIP Position** Adjust the PIP screen position.
- **PIP Contrast** Adjust PIP screen contrast.
- **PIP Brightness** Adjust PIP screen brightness.
- **PIP Sharpness** Adjust PIP screen sharpness.
- **PIP Color** Adjust the PIP screen color.
- **PIP Tint** Adjust the PIP screen tint.

* The sub-menu can differ according to the type of the input signal.

Adjusting PIP screen sound



Swapping the main screen and the sub-screen





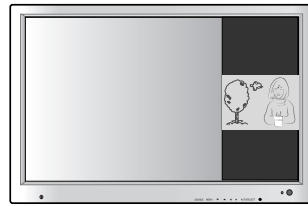
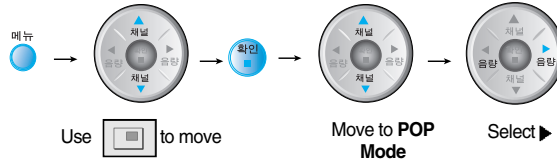
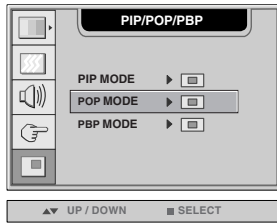
Selecting and Adjusting the Screen



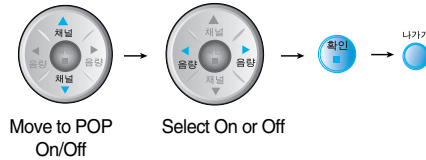
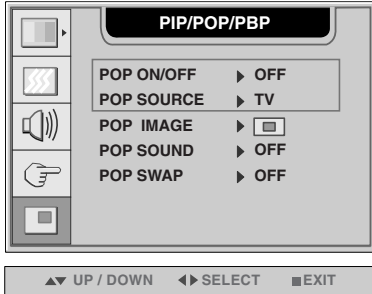
Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

POP (Picture Out Picture) Mode Functions

Showing/Hiding POP Screen

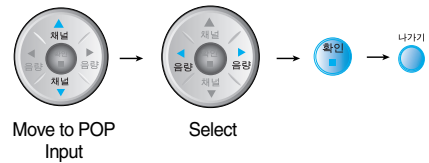


Select ▶

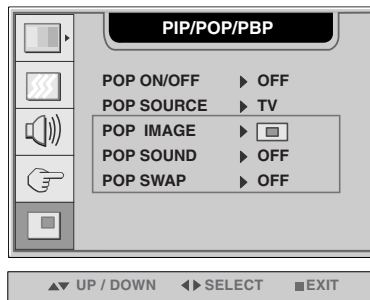


* If you select POP On, you can adjust the following menus.

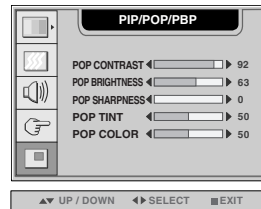
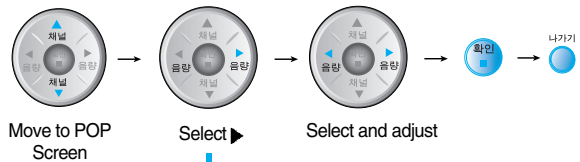
Selecting the input signal for the POP screen.



POP (Picture Out Picture) Mode Functions



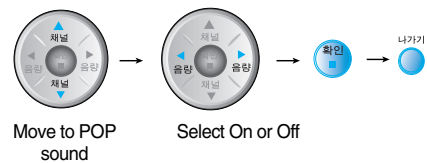
Adjusting POP Screen Image



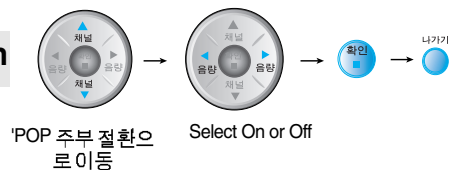
- **POP Contrast** Adjust POP screen contrast.
- **POP Brightness** Adjust POP screen brightness.
- **POP Sharpness** Adjust POP screen sharpness.
- **POP Color** Adjust the POP screen color.
- **POP Tint** Adjust the POP screen tint.

* The sub-menu can differ according to the type of the input signal.

Adjusting POP screen sound



Swapping the main screen and the sub-screen



Note The POP screen menu will be disabled if the POP screen input is a PC signal (DVI).



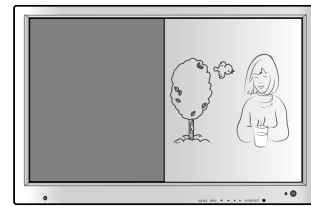
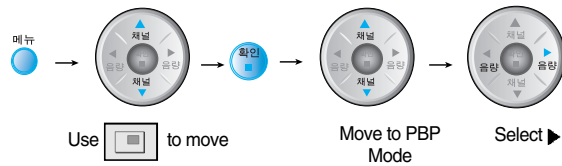
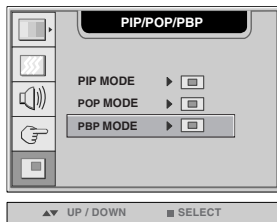
Selecting and Adjusting the Screen



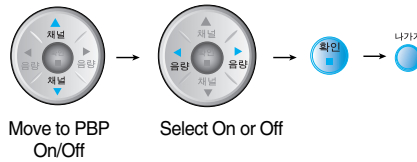
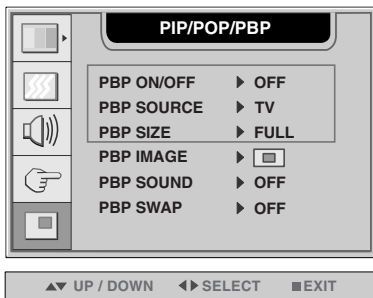
Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

PBP (Picture By Picture) Mode Functions

Showing/Hiding PBP Screen

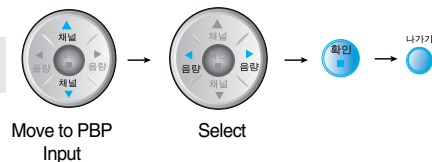


Select ▶

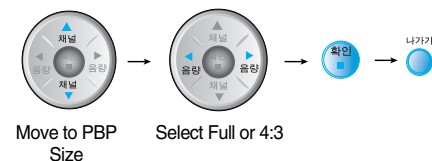


* If you select PBP On, you can adjust the following menus.

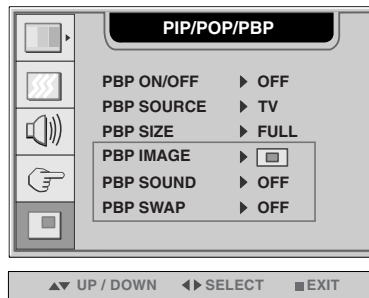
Selecting the input signal for the PBP screen



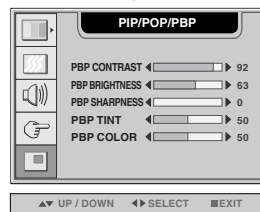
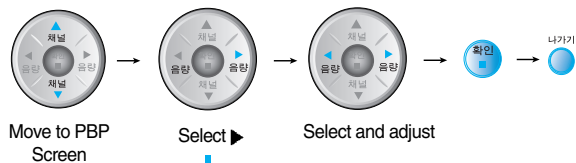
Selecting the PBP screen size



PBP (Picture By Picture) Mode Functions



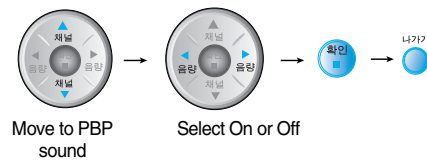
Adjusting PBP Screen Image



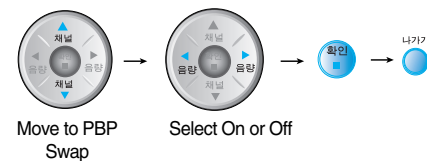
- **PBP Contrast** Adjust PBP screen contrast.
- **PBP Brightness** Adjust PBP screen brightness.
- **PBP Sharpness** Adjust PBP screen sharpness.
- **PBP Color** Adjust the PBP screen color.
- **PBP Tint** Adjust the PBP screen tint.

* The sub-menu can differ according to the type of the input signal.

Adjusting PBP screen sound



Swapping the main screen and the sub-screen



The PBP screen menu will be disabled if the PBP screen input is a PC signal.

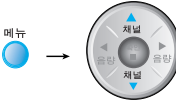
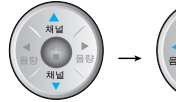




Selecting and Adjusting the Screen

OSD Menu – When Watching Video/DVD/HDTV/TV

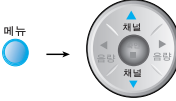
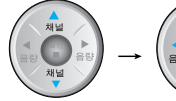
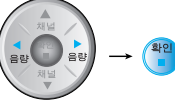
Setting up the channel - Available only when watching TV.


Setting up the channels automatically

메뉴 →  → 확인 →  →  → 확인 → 나가기

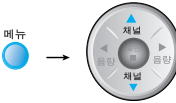
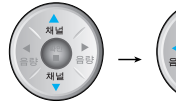

Use  to move Move to Auto Channel Select On using ◀▶ to start automatic channel setup.


Setting up the channel manually

메뉴 →  → 확인 →  →  → 확인 → 나가기




Use  to move Move to Channel Select a channel


Adding/Deleting a channel you have selected

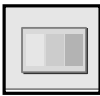
메뉴 →  → 확인 →  →  → 확인 → 나가기

Use  to move Move to Add/Del Channel Select Add or Del using ◀▶

Fine tuning the screen resolution

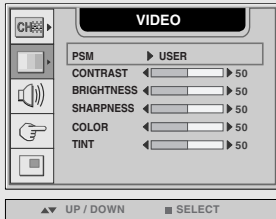
메뉴 →  → 확인 →  →  → 확인 → 나가기

Use  to move Move to Fine Tune Adjust the screen using ◀▶ until you can see a sharp screen.



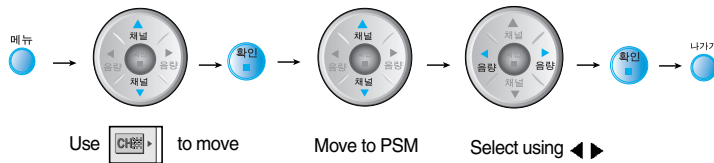
Adjusting Screen Image

Adjusting the screen automatically

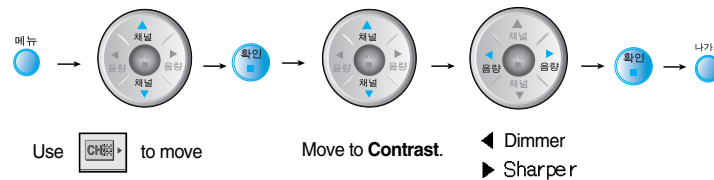
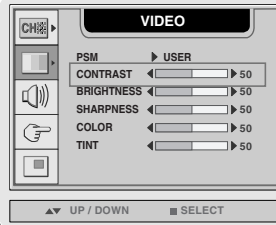


Use this function to automatically set the optimal screen

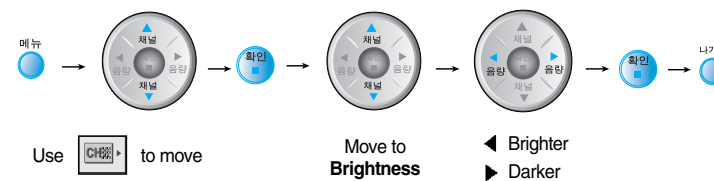
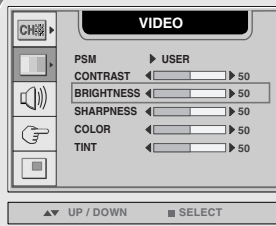
- User: Select this option to use the user-defined settings.
- Game: Select this option when you play a game.
- Standard: The most general and natural screen display status.
- Dynamic: Select this option to display with a sharp image.
- Mild: Select this option to display with a mild image.



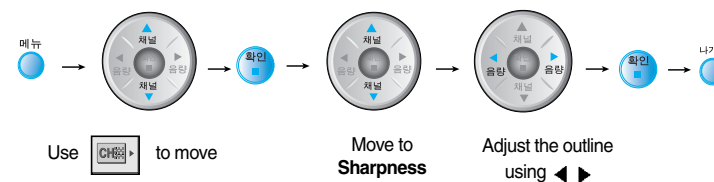
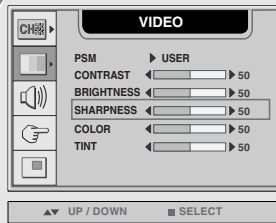
Adjusting screen contrast



Adjusting screen brightness



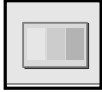
Adjusting screen sharpness



Note If the PSM setting in the Video menu is set to Standard, Dynamic, Mild or Game, the subsequent menus will be automatically set.



Selecting and Adjusting the Screen



Adjusting the screen image

Adjusting screen color

메뉴 → [채널] → 확인 → [채널] → [좌/우] → 확인 → 나가기

Use [채널] to move Move to Color Adjust screen color using ◀ ▶

Adjusting screen tint

메뉴 → [채널] → 확인 → [채널] → [좌/우] → 확인 → 나가기

Use [채널] to move Move to Tint Adjust screen tint using ◀ ▶



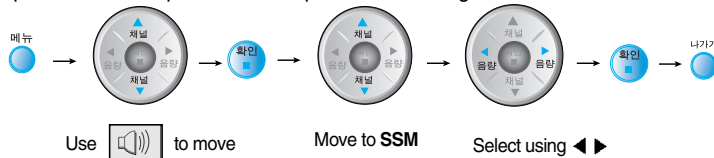
Adjusting the audio function

Selecting the audio.

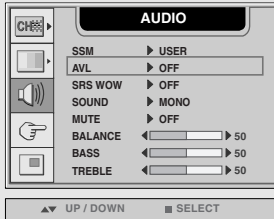


The audio will be automatically calibrated according to the type of the playback video.

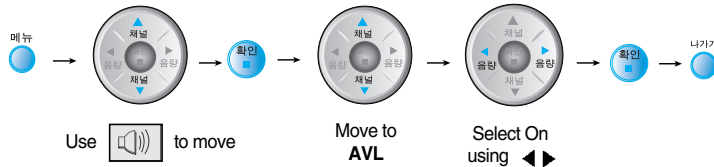
- User: Select this option to use the user-defined audio settings.
- Flat: The most commanding and natural audio.
- Movie: Select this option to watch a movie.
- Music: Select this option to listen to music.
- Sport: Select this option to watch sports broadcasting.



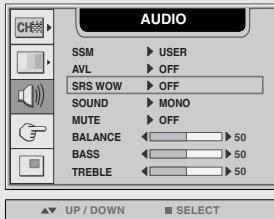
Adjusting the volume automatically



Use this function to automatically adjust volume that is uneven on each channel or signal so that the most appropriate level can be selected.



Selecting rich surround sound

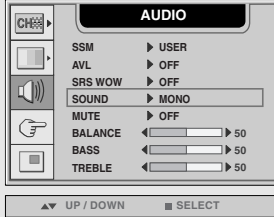


Set the SRS WOW menu to On.

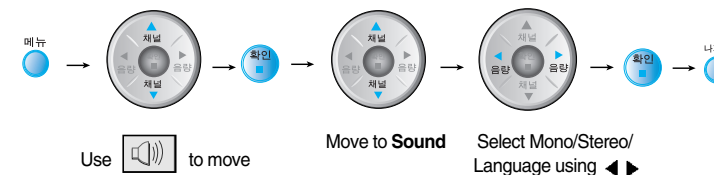
Enjoy surround sound effects from mono/stereo sound or the two-channel speaker.



Selecting the sound mode



The Language menu will be disabled when the input signal is video or DVD. This menu will be enabled only when the bilingual signal is entered.





Selecting and Adjusting the Screen



Adjusting the audio function

Muting the sound temporarily

메뉴 → [방향키] → 확인 → [방향키] → 확인 → 나가기

Use to move

Move to Mute

Select On or Off using ◀▶

On: Off:

Adjusting sound balance

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

메뉴 → [방향키] → 확인 → [방향키] → 확인 → 나가기

Use to move

Move to Balance

Adjust sound balance using ◀▶

Adjusting audio bass

메뉴 → [방향키] → 확인 → [방향키] → 확인 → 나가기

Use to move

Move to Bass

Select bass using ◀▶

Adjusting audio treble

메뉴 → [방향키] → 확인 → [방향키] → 확인 → 나가기

Use to move

Move to Treble

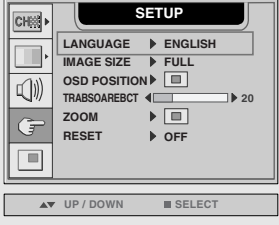
Select treble using ◀▶

Note If the SSM setting in the audio menu is one of Flat, Movie, Music or Sport, the available menus are VAL, Mute, SRS WOW and Balance. Other menu items will be automatically adjusted.



Selecting the options

Displaying the menu with a different language



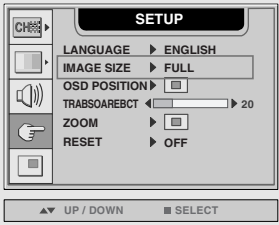
메뉴 → [방향키] → 확인 → [방향키] → [방향키] → 확인 → 나가기

Use to move

Move to **Language**

Select a language using ◀▶

Selecting screen size



메뉴 → [방향키] → 확인 → [방향키] → [방향키] → 확인 → 나가기

Use to move

Move to **Image Size**

Select screen size using ◀▶ (Full, 4:3, Spectacle or 1:1)



Selecting and Adjusting the Screen



Selecting the options

Moving the menu screen

Use this function to move the OSD screen position in the monitor.

Use to move Move to OSD Position Select using

■ Moving the OSD screen position horizontally ■ Moving the OSD screen position vertically

◀ Left ▶ Right

▲ Up ▼ Down

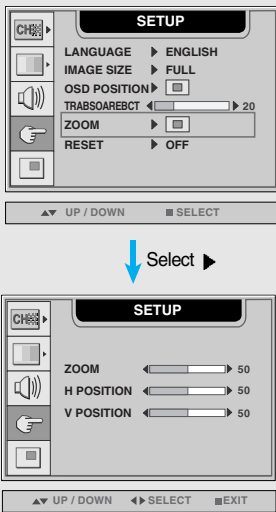
Adjusting transparency of the menu screen

Use to move Move to Transparency Adjust transparency using

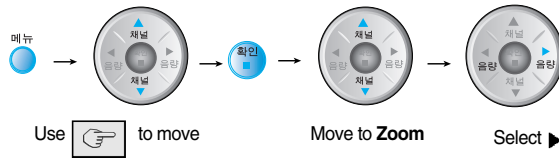


Selecting the options

Zooming in on the screen



Use this function to zoom in on the screen. When you turn the monitor off and on again, the default screen size will be restored.



Use to move

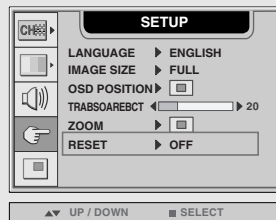
Move to Zoom

Select ▶



Select Zoom, H Position or V Position. Adjust the value using ◀ ▶

Initializing to the factory default



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



Use to move

Move to Reset

Select using ◀ ▶

- On: Return to the factory default.



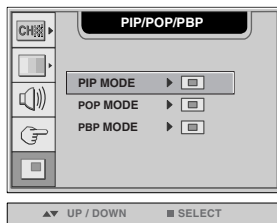
Selecting and Adjusting the Screen



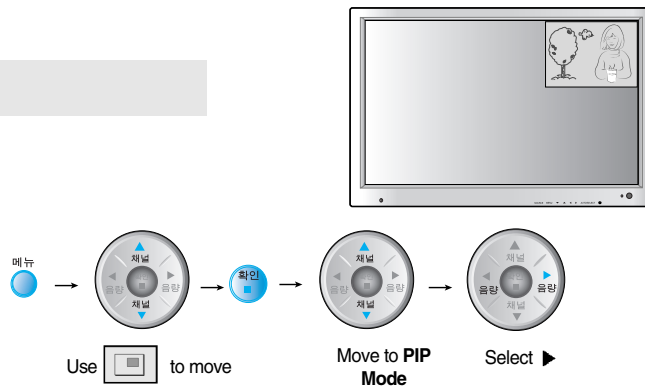
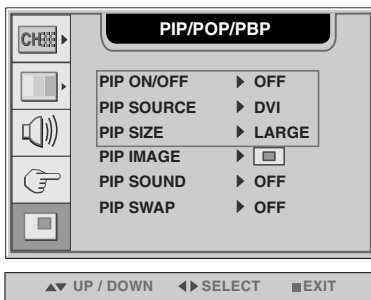
Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

PIP/POP/PBP Mode Functions

Showing/Hiding PIP Screen

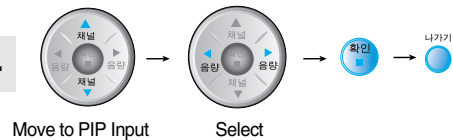


Select ▶

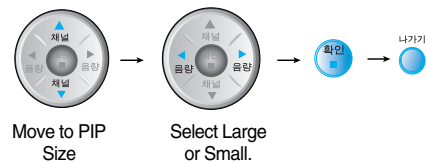


* If you select PIP On, you can adjust the following menus.

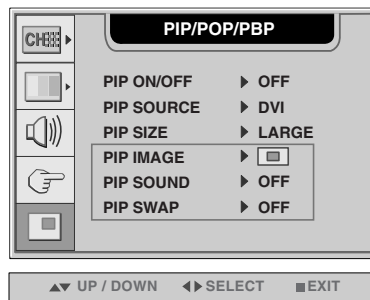
Selecting the input signal for the PIP screen.



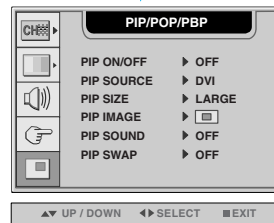
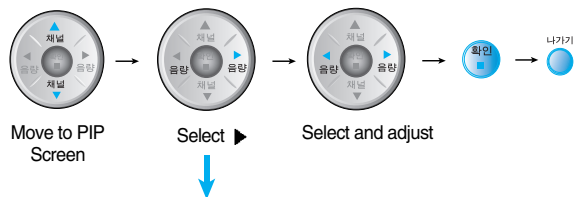
Selecting the PIP screen size



PIP (Picture In Picture) Mode Functions



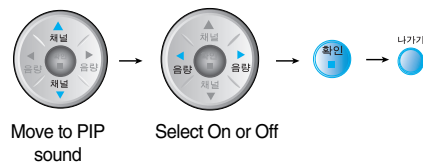
Adjusting PIP Screen Image



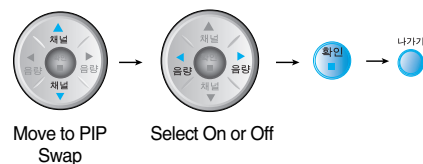
- **PIP Position** Adjust the PIP screen position.
- **PIP Contrast** Adjust PIP screen contrast.
- **PIP Brightness** Adjust PIP screen brightness.

* The sub-menu can differ according to the type of the input signal.

Adjusting PIP screen sound



Swapping the main screen and the sub-screen





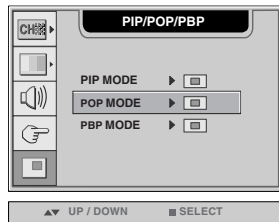
Selecting and Adjusting the Screen



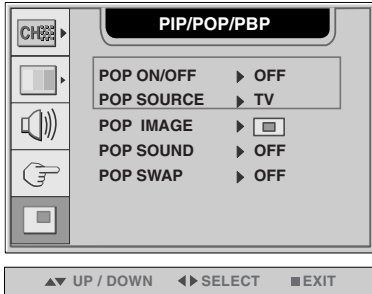
Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

POP (Picture Out Picture) Mode Functions

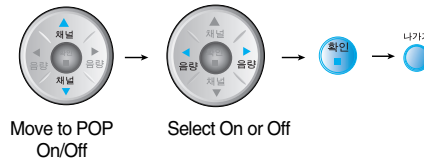
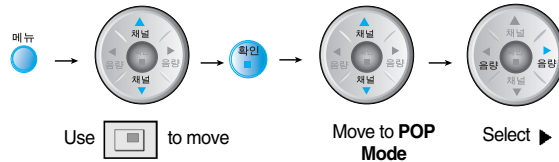
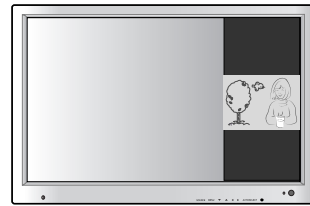
Showing/Hiding POP Screen



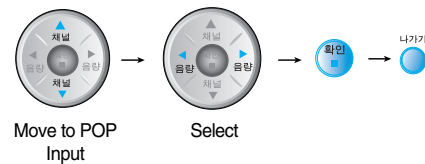
Select ▶



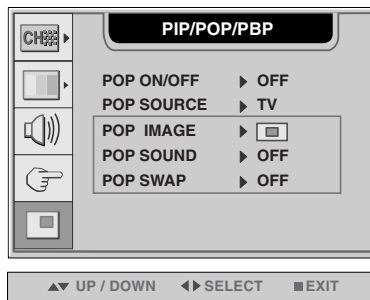
* If you select POP On, you can adjust the following menus.



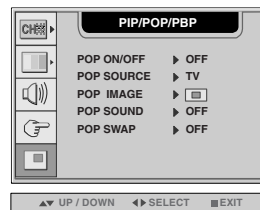
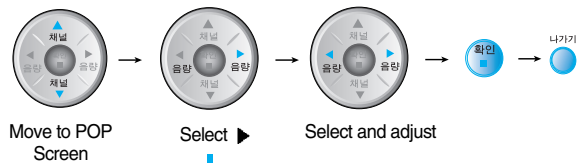
Selecting the input signal for the POP screen.



POP (Picture Out Picture) Mode Functions



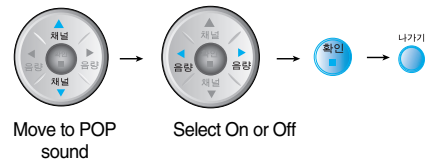
Adjusting POP Screen Image



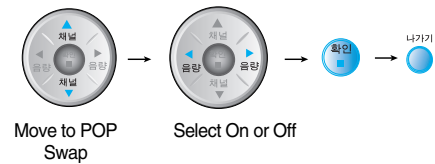
- **POP Contrast** Adjust POP screen contrast.
- **POP Brightness** Adjust POP screen brightness.

* The sub-menu can differ according to the type of input signal.

Adjusting POP screen sound



Swapping the main screen and the sub-screen



The POP screen menu will be disabled if the POP screen input is video.



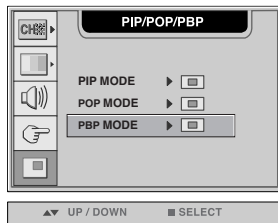
Selecting and Adjusting the Screen



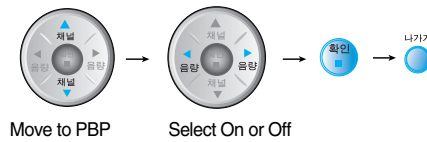
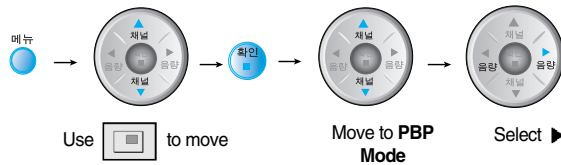
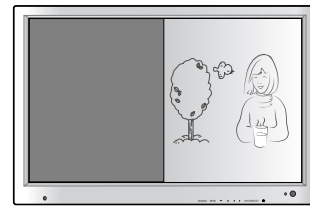
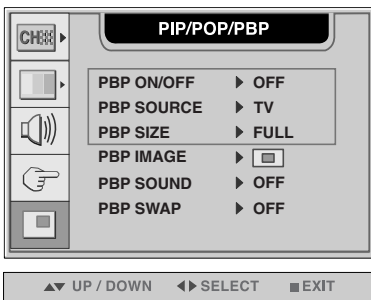
Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

PBP (Picture By Picture) Mode Functions

Showing/Hiding PBP Screen

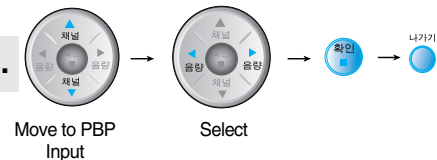


Select ▶

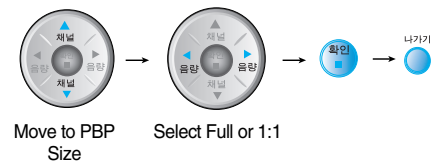


* If you select PBP On, you can adjust the following menus.

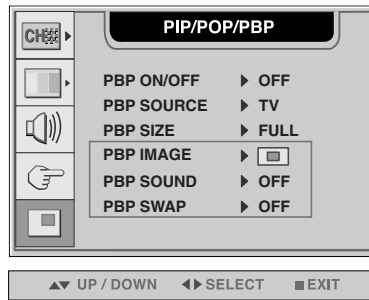
Selecting the input signal for the PBP screen.



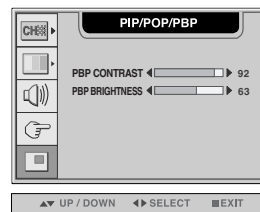
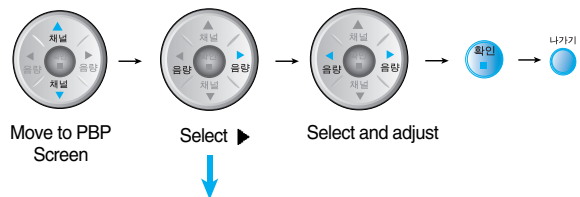
Selecting the PBP screen size



PBP (Picture By Picture) Mode Functions



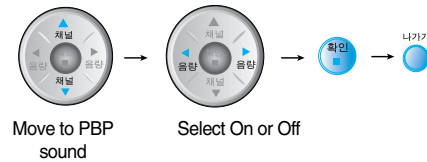
Adjusting PBP Screen Image



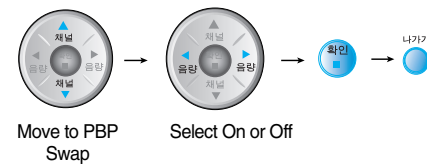
- **PBP Contrast** Adjust PBP screen contrast.
- **PBP Brightness** Adjust PBP screen brightness.

* The sub-menu can differ according to the type of input signal.

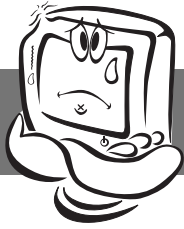
Adjusting PBP screen sound



Swapping the main screen and the sub-screen



Note The PBP screen menu will be disabled if the PBP screen input is video of HDTV.



Troubleshooting

No image is displayed

- Is the monitor power cord connected?
 - Does the power LED is turned on?
 - Power is on, power LED is green but the screen appears extremely dark.
 - Does the power LED look yellow?
 - Does the “Out of Range” message appear?
 - The input signal of the main screen is set to HDTV but the “Out of Range” message appears.
 - Does the “Check Signal Cable” message appear?
- See if the power cord is properly connected to the outlet.
 - See if the power switch is turned on.
 - Adjust brightness (☀) and contrast (●) again.
 - If the monitor is in power saving mode, move the mouse or press any key.
 - The signal from the PC (video card) is out of the vertical or horizontal frequency range of the monitor. Adjust the frequency range by referring to the Specifications in this manual.
 - * **Maximum resolution**
 - D-Sub : 1280x1024 @60Hz
 - DVI-D : 1280x1024 @60Hz
 - See if the set top box HDTV resolution is set to 480i. If it is, change to 720p/1080i or plug the jack into the DVD input terminal.
 - The signal cable between PC and monitor is not connected. Check the signal cable.
 - Press the “Input Select” menu in the remote controller to check the input signal.



Vertical frequency: To enable the user to watch the monitor 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.

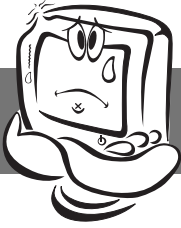
Horizontal frequency: The horizontal interval is the time to display one vertical line. When the horizontal interval is divided by 1, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.

The screen image looks abnormal.

- **Is the screen position wrong?**
 - D-Sub analog signal – Press the “Auto Channel” button in the remote controller to automatically select the optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Position OSD menu.
- **Do thin lines appear on the background screen?**
 - See if the video card resolution and frequency are supported by the monitor. If the frequency is out of range, set to the recommended resolution in the Control Panel – Display – Setting menu.
- **Horizontal noise appears or the characters look blurred.**
 - D-Sub analog signal – Press the “Auto Channel” button in the remote controller to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Clock OSD menu.
- **Unable to adjust the horizontal/vertical position in the Zoom menu.**
 - D-Sub analog signal – Press the “Auto Channel” button in the remote controller 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.**
 - See if the Zoom value is set to 0. If it is, you cannot adjust the H/V Position value.
- **No sound appears in the TV channel display window.**
 - If the screen size is not full when connected to the PC, execute the POP to change to full screen mode.
- **Brightness differs in the main and sub screen when connected to the PC.**
 - See if the TV sound is set to mono. If it is, the sound will not be displayed.
 - 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.

“Unknown Monitor” message appears when the monitor is connected.

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



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 treble sound.
 - Select the appropriate bass sound.
- Sound is too low.
 - Adjust the volume.

The TV function does not work.

- The TV signal is not being received.
 - See if you have selected the proper channel mode.
 - Use the automatic channel setup function.
 - See if the TV antenna is properly connected.

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 POP function is in use. If the POP 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.

After-image appears on the monitor.

- After-image appears when the monitor is turned off.
 - If you use a fixed image for a long time, the pixels may be damaged quickly. Use the screensaver function.

“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 5 seconds. (You cannot set this function using the remote controller buttons. You can set this function in the monitor only.)



Specifications

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

LCD Panel	Screen Type	30 Type (75.0062cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 75.0062cm
	Pixel Pitch	0.5025mm
Video Signal	Max. Resolution	D-SUB : 1280x1024 @60Hz DVI-D : 1280x1024 @60Hz
	Recommended Resolution	D-SUB : WXGA 1280x768 @60Hz DVI-D : SXGA 1280x768 @60Hz
	Horizontal Frequency	D-SUB : 31~66 kHz DVI-D : 31~66 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, TV
Power	Rated Voltage	AC 100-240V~ 50/60Hz 1.8A
	Power Consumption	Normal operation: 165W Power saving preparation state: ≤5W Power saving state: ≤ 5W Power switch on: ≤ 5W Power cut-off, switch off: ≤ 1W
Dimension/Weight	Size (WxLxH)	733.8mm x 538.0 mm x 107.0mm
	Weight (excl. package)	16.4 kg
Environmental Conditions	Operational Condition	Temperature: 10°C ~ 35°C , Humidity: 10% ~ 80%
	Storage Condition	Temperature: -20°C ~ 60°C , Humidity: 5% ~ 95%

● PC Mode – Preset Mode

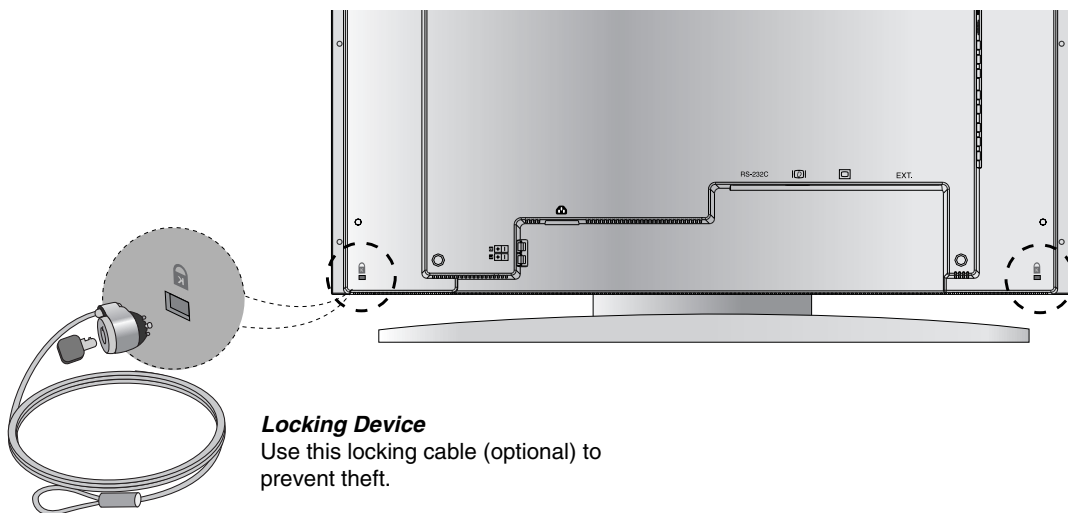
Preset mode		Horizontal Frequency (kHz)	Vertical Frequency (kHz)	Preset mode		Horizontal Frequency (kHz)	Vertical Frequency (kHz)
1	VGA 640 x 350	31.469	70	8	VESA 800 x 600	53.674	85
2	VGA 720 x 400	31.468	70	9	MAC 832 x 624	49.725	75
3	VGA 640 x 480	31.469	60	10	VESA 1024 x 768	48.363	60
4	VESA 640 x 480	37.500	75	11	VESA 1024 x 768	60.123	75
5	VESA 640 x 480	43.269	85	12	VESA 1280 x 1024	63.981	60
6	VESA 800 x 600	37.879	60	13	VESA 1280 x 768	47.7	60
7	VESA 800 x 600	46.875	75				

● HDV Mode Composite Video Input YPbPr

Preset mode	Horizontal Frequency (kHz)	Vertical Frequency (kHz)
1	720 x 483	31.50
2	1280x 720	45.00
3	1280x 720	44.96
4	1920x 1080	33.75
5	1920x 1080	33.72

● Power LED

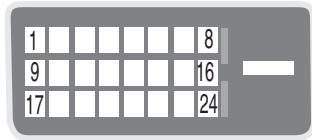
Mode	Monitor
Normal Operation	Green
Pre-power Saving State	Yellow
Power Saving State	Yellow
Power Switch Off	-
Power Cut-off Switch Off	-





Product Specifications

● DVI-D



No.	Signal
1	T. M. D. S. Data 2-
2	T. M. D. S. Data 2+
3	T. M. D. S. Data 2/4 Shield
4	T. M. D. S. Data 4-
5	T. M. D. S. Data 4+
6	DDC Clock
7	DDC Data
8	Analog Vertical Synchronization
9	T. M. D. S. Data 1-
10	T. M. D. S. Data 1+
11	T. M. D. S. Data 1/3 Shield
12	T. M. D. S. Data 3-
13	T. M. D. S. Data 3+
14	+5V Power
15	Grounding (return for +5V, horizontal sync and vertical sync)
16	Hot Plug Detect
17	T. M. D. S. Data 0-
18	T. M. D. S. Data 0+
19	T. M. D. S. Data 0/5 Shield
20	T. M. D. S. Data 5-
21	T. M. D. S. Data 5+
22	T. M. D. S. Clock Shield
23	T. M. D. S. Clock+
24	T. M. D. S. Clock

T.M.D.S. (Transition Minimized Differential Signaling)

C1~C5: DVI-I only



Accessories

Please check the accessories in the product package.

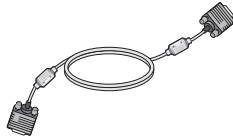
* The monitor and the accessories can be different from the figures shown here.



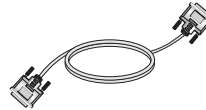
Monitor



User's Manual



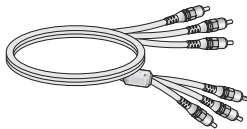
15-pin D-Sub Signal Cable



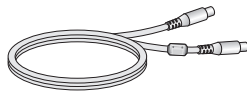
DVI-D Signal Cable



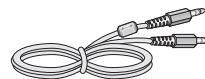
Power Cord



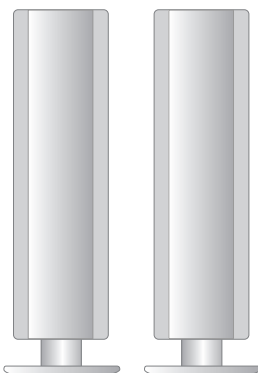
RCA Cable



S-Video Cable



Audio Cable (PC)



Speaker

Refer to the manual in the speaker box for more details on speaker accessories.