

Contents

WARNING / CAUTION

- 3 WARNING/CAUTION
- 3 FCC NOTICE
- 3 Caution

Important Safety Instructions

Basic instruction

- 5 Equipment subassembly
- 5 The best resolution
- 5 Input voltage
- 5 Keys Function

Connection

On Screen Display (OSD)

- 7 Menu options
- 7 Main menu
- 7 Explanation of individual options

Specifications

- 9 Compatible Resolutions
- 9 Specifications

Warning/Caution

WARNING/CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FCC NOTICE

Class B digital device
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Caution

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Do not attempt to modify this product in any way without written authorization from the dealer. Unauthorized modification could void the user's authority to operate this product.

To prevent fire or shock hazards, do not expose this product to rain or moisture.

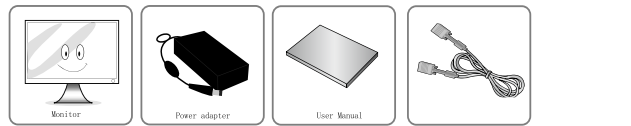
Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this product near water.
6. Clean only with a dry and soft cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or any other apparatus (including amplifiers) that produces heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the unit. When a cart is used, use caution when moving the cart/monitor combination to avoid injury from tip-over.
13. Unplug this product during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Do not expose this product to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the unit.

Basic instruction

Equipment subassembly

Please check your monitor equipment subassembly including the followings:



Input voltage

AC 100 - 240V ~ 50 / 60 Hz (Please consult the back label of your monitor.)

Power indicator light

Indicator	Mode
No light	Power off
Green light	Normal work statement
Green light flash	No signal input

Keys Function

5 Keys Model		7 Keys Model	
Key	Function	Key	Function
① MENU	Show OSD menu/select function	① MENU	Show OSD menu/select function
② DOWN	Move icon down/decrease value	② UP	Move icon up/increase value
③ UP	Move icon up/increase value	③ DOWN	Move icon down/decrease value
④ EXIT	Back to last menu/Auto adjust	④ EXIT	Back to last menu/Auto adjust
⑤ ⏻	Turn ON / OFF monitor	⑤ SCALE	Change ratio (wide or normal)
		⑥ SOURCE	Display or change input signal
		⑦ ⏻	Turn ON / OFF monitor

Connection

Connecting cables

Connect the power cord for your monitor to the AC IN port on the back of the monitor.

Plug the power cord for the monitor into a nearby outlet.

Use a connection appropriate for your computer.

Using the D-sub (Analog) connector on the video card.

- Connect the signal cable to the 15-pin, D-sub port of your monitor.



VGA interface(pins function)

PIN	FUNCTION	PIN	FUNCTION
1.	RED	9.	+5V
2.	GREEN	10.	GND
3.	BLUE	11.	RSX
4.	RTS	12.	DDC-DATA
5.	GND	13.	H-SYNC
6.	GND-R	14.	V-SYNC
7.	GND-G	15.	DDC-CLOCK
8.	GND-B		

On Screen Display(OSD)

Menu Options

- Main Menu:**
1. Color Adjust
 2. Image Adjust
 3. Color Temp
 4. Tools
 5. Language
 6. Misc

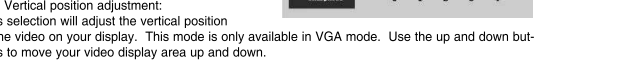
Explanation of individual options:

- 1.1 Brightness adjustment:
This option will adjust your displays brightness. Use the up and down buttons to increase or decrease brightness setting.
- 1.2 Contrast adjustment:
This option will adjust the amount of difference between white values and black values. Use the up and down buttons to increase or decrease the contrast setting.
- 1.3 DCR function
Press MENU to show the main choice menus, press MENU into DCR choice item, press up or down to select ON or OFF, press MENU to open or close DCR function.



2. Image Adjust

- 2.1 Horizontal position adjustment:
This selection will adjust the horizontal position of the video on your display. This mode is only available in VGA mode. Use the up and down buttons to move your video display area left to right.
- 2.2 Vertical position adjustment:
This selection will adjust the vertical position of the video on your display. This mode is only available in VGA mode. Use the up and down buttons to move your video display area up and down.



- 2.3 Phase adjustment:
To press menu into main choice menus, press menu into phase adjustment, and then press up or down to start pixel sampling by phase improving stabilization.

- 2.4 Clock adjustment:
To press menu into main choice menus, press menu into Frequency adjustment, and then press up or down to adjust clock image display to track stability

On Screen Display(OSD)

2.5 Sharpness function

To Press Menu into main choice menu, press Menu into sharpness adjustment, and then press Up or Down to select the value, and then press Menu to change sharpness of image.

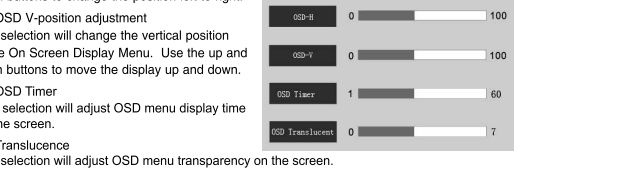
3. Color temperature Adjust

This selection will change the amounts of red, green, and blue present in the image. Warm mode will give more red. Cool mode will give more blue and User mode will allow you to make your own adjustments to the red, green and blue levels.



4. Tools

- 4.1 OSD H-position adjustment
This selection will change the horizontal position of the On Screen Display Menu. Use the up and down buttons to change the position left to right.
- 4.2 OSD V-position adjustment
This selection will change the vertical position of the On Screen Display Menu. Use the up and down buttons to move the display up and down.
- 4.3 OSD Timer
This selection will adjust OSD menu display time on the screen.
- 4.4 Translucence
This selection will adjust OSD menu transparency on the screen.



5. OSD choice language setting

This selection will allow you to select the language you want the menu to appear in. Select between English, Spanish, French, Italian, Deutsch or Korean. (Depending on your model, additional languages may be present.)

6. MISC.

- 6.1 Auto configuration
This selection will automatically adjust your image setting to the best viewing.
- 6.2 Auto color
This selection will automatically adjust your color setting to the best viewing.
- 6.3 Factory reset
This selection will reset the monitor to factory statement.



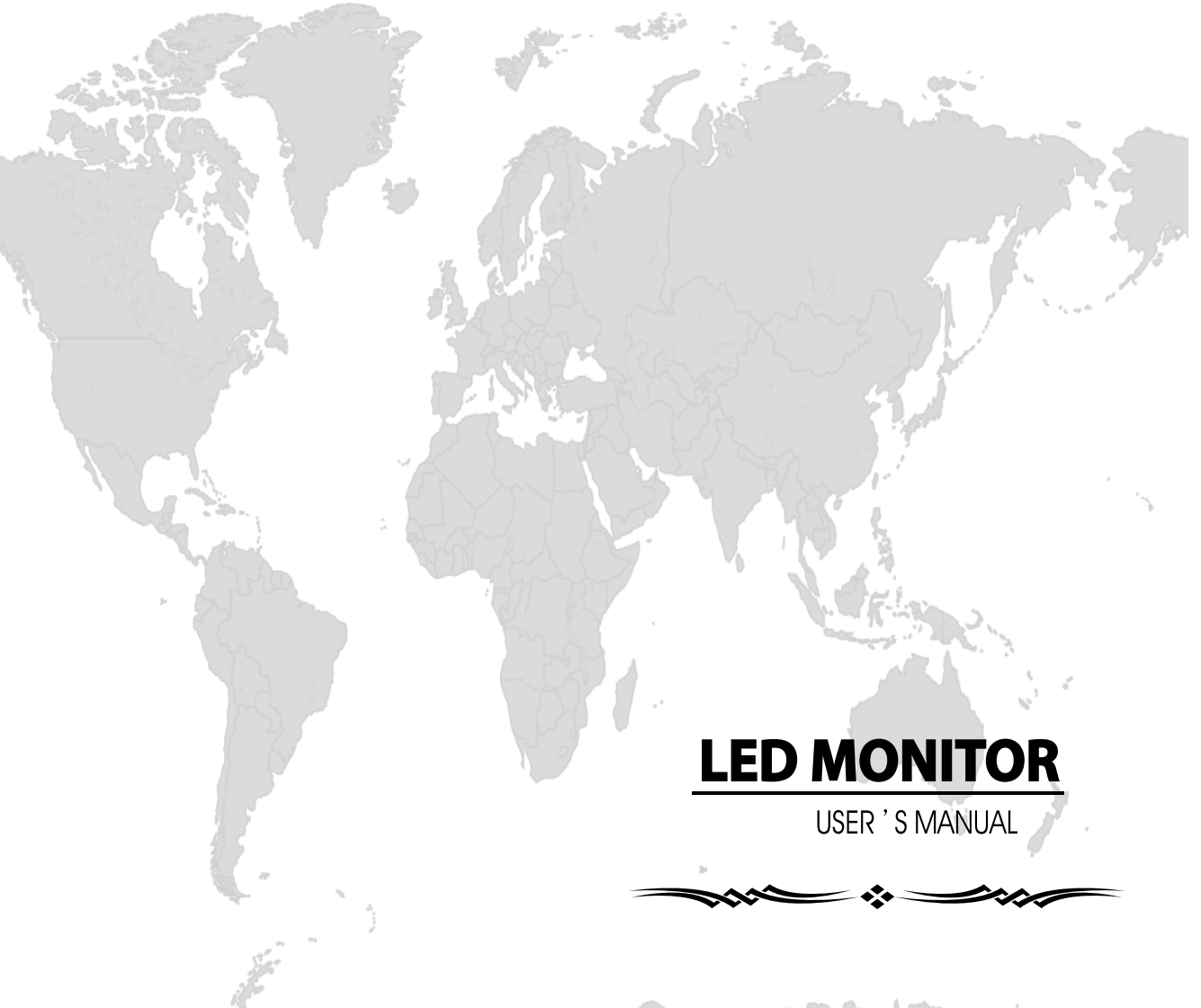
Specifications

Compatible Resolutions

Standard	Resolution	H-Frequency (KHz)	V-Frequency (Hz)	Remark
VGA	720 X 400	31.47	70.0	
	640 X 480	31.47	60.0	
	640 X 480	37.50	75.0	
SVGA	800 X 600	37.879	60.0	
	800 X 600	48.077	72.2	
	800 X 600	46.875	75.0	
XVGA	1024 X 768	48.363	60.0	
	1024 X 768	56.476	70.0	
	1024 X 768	60.02	75.0	
SXVGA	1280 X 1024	63.981	60.0	17/19 4:3
	* 1280 X 1024	79.976	75.0	
WXGA	* 1360X768	47.7	60.0	15, 6/18, 5 16:9
WXGA+	* 1440X900	55.469	60.0	17/19 16:10
WXGA+	* 1600X900	55.906	60.0	17,3/20 16:9
WSXGA+	* 1680X1050	64.7	60.0	22 16:10
WUXGA	* 1920X1080		60.0	21, 5/23 23, 6/24 16:9

Specification

VGA input	Input interface	D-SUB 15Pin
	Input signal	Analog 0.7pp anode signal/75Ω
H-Frequency	30~80 KHz	
V-Frequency	60~75 Hz	
Temp.	Storage Temp	-20°C to 60°C
	Operation Temp	0°C to 40°C
Humidity	Operation	10% to 85%



LED MONITOR
USER'S MANUAL