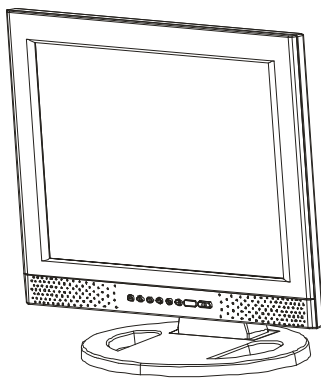


Thank you for purchasing our product.
Please read this User's Manual before
using the product. Change without notice

15" 17" 19" TFT LCD VGA MONITOR

USER MANUAL

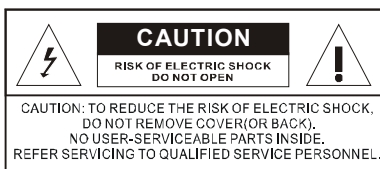


WARNING:

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

DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

CAUTION:



Explanation of Graphical Symbols



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 product.

Important safeguards

Risk of electric shock – Do not open

To reduce the risk of electric shock, do not remove the back cover. There are no user-serviceable parts inside.

Removing the back cover voids the warranty.

Have your LCD repaired by qualified service personnel only.

Warnings and precautions

- Do not place your hands, face, or objects close to the ventilation openings of you LCD. The top of your LCD gets very hot from exhaust air that is released through the ventilation openings. Burns or personal injuries may occur if you are too close the LCD. Damage may occur if you place any object near the top of your LCD.
- Disconnect all cables before moving you LCD. Moving you LCD with its cables attached may damage the cables and cause fire or electric shock danger.
- Do not expose you LCD to rain or moisture.
- Keep your LCD away from excessive dust, high temperatures, moisture, or direct sunlight.
- Use your LCD in a well-ventilated area and do not cover the ventilation openings.
- Do not modify your LCD or use an unshielded power cord or video input source cable, or you may experience excessive interference.
- Disconnect your LCD and unplug the power cord when the LCD is not used for a long period of time.
- If the picture displayed is in any way abnormal, turn off your LCD, then disconnect it from the electrical outlet. Make sure that your video input source cable is connected correctly, then reconnect your LCD to the electrical outlet.
- Disconnect your LCD from the electrical outlet before cleaning or performing maintenance. Do not use liquid or aerosol cleaners. Use only a slightly damp cloth for cleaning.
- Do not place your LCD on an unstable cart, stand, or table. Your LCD may fall, causing serious damage.

Safety Precautions

Chapter 6 Safety, Regulatory and Legal Information

US Regulatory compliance statements

Your LCD VGA has been tested and found to comply with the limits for a Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Your LCD generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no guarantee that interference with not occur in a particular installation. If your LCD does cause harmful interference to radio or television reception, which can be determined by turning your LCD off and on, the user is encouraged to try to correct the interference by one or more the following measures:

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

Warning: Use only shielded signal cables to connect I/O devices to your LCD. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the LCD.

FCC STATEMENT

This LCD complies with part 15 FCC Rules. Operation is subject to the following two conditions (1) This device may not cause harmful interference. (2) This LCD must accept and interference received, including interference that may cause undesired operation.

Canada Regulatory compliance statements

This LCD does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

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Components

(1) LCD Color Monitor	1
(2) Accessories	
(a) Power cord	1
(b) User Manual	1
(c) Audio PC line	1
(d) VGA Cable	1
(e) Adapter	1

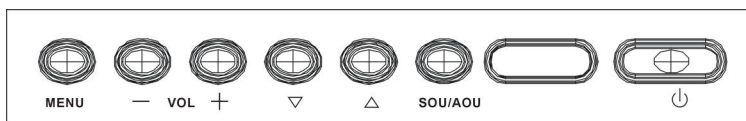
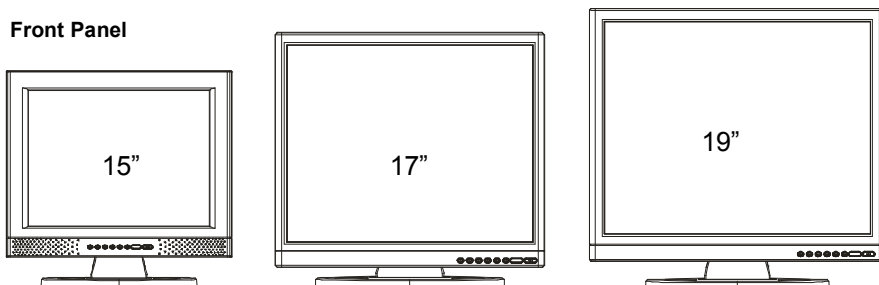
Feature

- ★ Integrated 8-bit triple-channel ADC/PLL
- ★ Built-in internal amplifier and speakers
- ★ 1280*1024 SVGA support for computer input (17"/19")
- ★ Support multiple language selections
- ★ 2D comb filter and 2D de-interlace

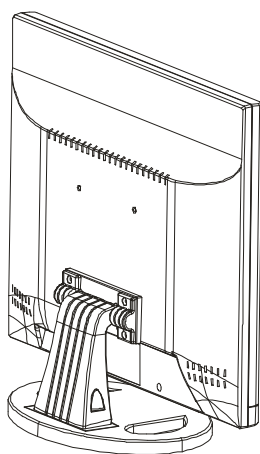
Exploring Your New Monitor

You can operate your monitor by using the buttons on the front panel.

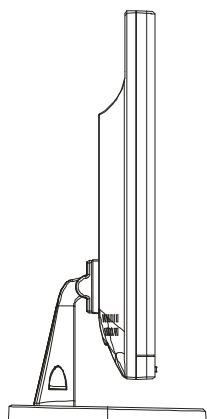
Front Panel



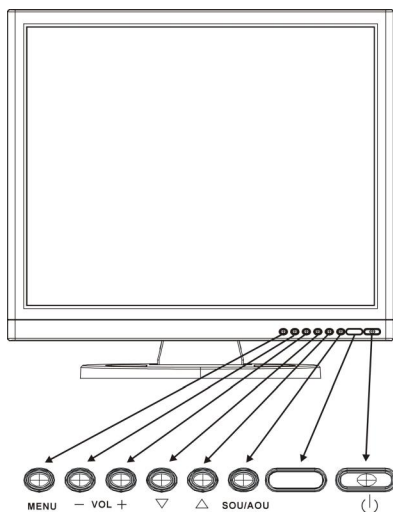
Back



Side



Function Keys Instruction for LCD



Up: Scroll up the menu bar, hot key to adjust channel up

Down: Scroll down the menu bar, hot key to adjust channel down

MENU

Menu: Activate OSD menu



Right : Increase setting the menu bar, hot key to adjust volume up



Left : Decrease setting the menu bar, hot key to adjust volume down

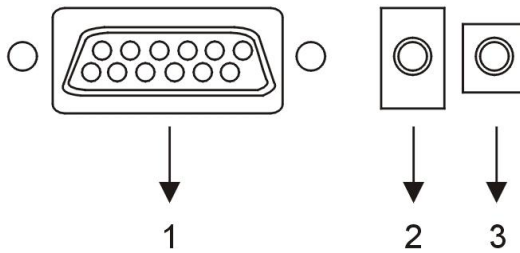
SOU/AOU

Source: Change input source / Auto adjust



Power: Turn on or off the main board

I/O Connection:



1. VGA input
2. PC Audio input
3. DC / 12V input

OSD (On Screen Display)

OSD (On Screen Display) menu enables user to manipulate the image and settings OSD main menu consists of source:

OSD Menu Contrast, Brightness, Color temp, H. Position, V. Position, Clock, Phase, Sharpness, OSD H. Position, OSD V. Position, OSD Timer, Reset, Language.

LCD OSD Setting

Color



Auto Color : Auto Color adjustment (Only for RD engineer mode)

Contrast : Adjust light and dark level of the TFT display. Setting value from 0 ~ 100.

Default value is 50.

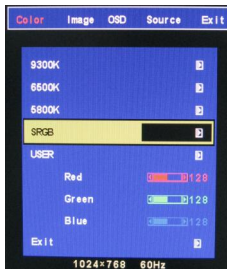
Brightness : Adjust shade and brightness level of TFT display. Setting value from 0 ~ 100.

Default value is 50.

Color Temp : This function will adjust color temperature; more details please refer to below menu.

Exit : Back to main menu.

Color temperature



9300K : Select cold color temperature (White and Blue color bias).

6500K : Select normal temperature (Comprehensive color).

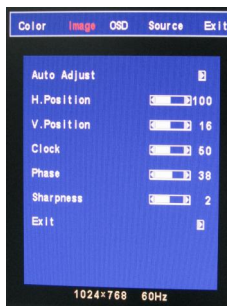
6800K : Select warm color temperature (Yellow bias).

SRGB : Special application for computer source (R=G=B=128) that setting would be display true color faithfully.

USER : This function will provide user to adjust Red, Green and Blue gain level.

Exit : Back to main menu.

Image



Auto Adjust : This function will adjust the optimal parameters automatically.

H. Position : This function will provide user to adjust the horizontal position of display screen.

Setting value from 0 ~ 200. Default value is 100.

V. Position : This function will provide user to adjust the vertical position of display screen.

Setting value from 0 ~ 18. Default value is 9.

Clock : This function will provide user to adjust the clock of display screen.

Setting value from 0 ~ 100. Default value is 50.

Phase : This function will provide user to adjust the Phase of display screen.

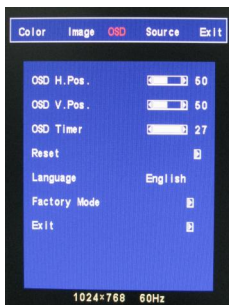
Setting value from 0 ~ 63. Default value is 15.

Sharpness : This function will provide user to adjust the sharpness of display screen.

Setting value from 0 ~ 4. Default value is 2.

Exit : Back to main menu.

OSD



OSD H. Pos. : This function will provide user to adjust the horizontal position of OSD area.
Setting value from 0 ~ 100. Default value is 50.

OSD V. Pos. : This function will provide user to adjust the vertical position of OSD area.
Setting value from 0 ~ 100. Default value is 50.

OSD Timer : This function will provide user to setup OSD appearance time. (Unit is second)
Setting value from 0 ~ 27. Default value is 7.

Reset : Recover to default setup.

Language: This function will provide user to select 8 types of OSD languages, including English, Japanese, Simplified Chinese, Tradition Chinese, Italic, German, French and Español.

Exit : Back to main menu.

Source



EXIT



D-SUB : Remind user the VGA connector is D-SUB 15pin type.

Applicable Timing

VGA Timing

There are totally 11 timing modes that can be saved in memory by FIFO detecting architecture.

VGA Support Timing

Resolution	Refresh Rate	Horizontal Frequency	Pixel Frequency	Standard Type
640 x 480 VGA	60 Hz	31.50 KHz	25.175 MHz	Industrial Standard
	72 Hz	37.90 KHz	31.500 MHz	VESA Standard
	75 Hz	37.50 KHz	31.500 MHz	VESA Standard
800 x 600 SVGA	60 Hz	37.90 KHz	40.000 MHz	VESA Guideline
	72 Hz	48.10 KHz	50.000 MHz	VESA Standard
	75 Hz	46.90 KHz	49.500 MHz	VESA Standard
1024 x 768 XGA	60 Hz	48.40 KHz	65.000 MHz	VESA Guideline
	70 Hz	56.50 KHz	75.000 MHz	VESA Standard
	75 Hz	60.00 KHz	78.750 MHz	VESA Standard
1280 x 1024 SXGA (17" & 19" only)	60 Hz	64.00 KHz	108.000 MHz	VESA Standard
	75 Hz	80.00 KHz	135.000 MHz	VESA Standard

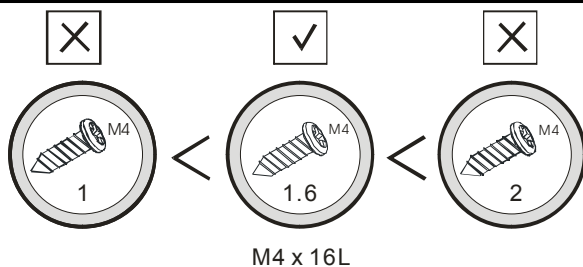
Auto Detection/Auto calibration

- Input format detection
- Compatibility with standard VESA mode and support user-defined mode
- Smart engine for Phase/Image position/Color calibration

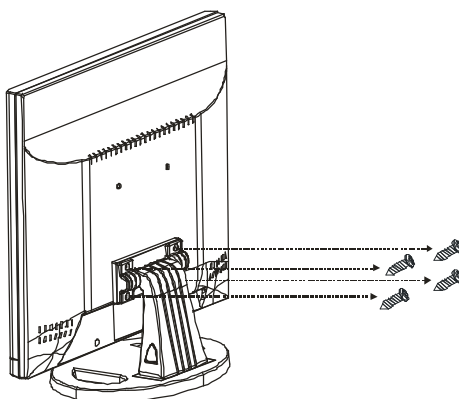
Other Option : Audio (1W) x 2

Control key: Menu_KEY, Up_KEY, Down_KEY, Left_KEY, Right_KEY, Auto_KEY and Power_KEY.

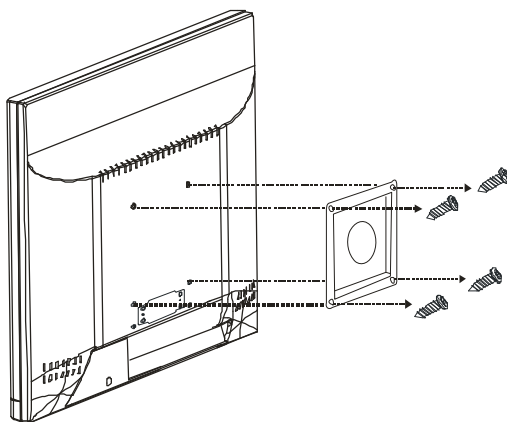
Wall mountable



User please use the correct screw type when installation.



The desktop bracket and mount type bracket could use the same screw



Specification

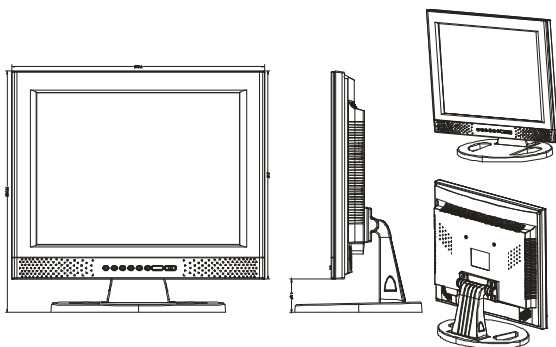
Model	15"	17"	19"
Display Resolution (Panel)	1024 x 768@75Hz	1280 x 1024@75Hz	1280 x 1024@75Hz
Active Area (mm)	304.1(H) x 228.1(V)mm	337.920 (H) x 270.336 (V)mm	376.32(H) x 301.056 (V)mm
Pixel Pitch	0.297mm	0.264mm	0.294mm
LCD Profile Ratio	4:3	5:4	
Display Color	16.2M colors	16.7M colors	
Brightness (Central)	250 cd/m ² (TYP *)	300 cd/m ² (TYP *)	
Contrast Ratio	500:1 (TYP *)	800 : 1 (TYP *)	1000 : 1(TYP *)
Viewing Angle	Left70°/Right 70°/Up65°/Down65°	Left 80°/Right 80°/Up 80°/Down 80°	Left 85°/Right 85°/Up 85°/Down 85°
Response Time	8ms(TYP *)	5ms(TYP *)	5ms(TYP *)
Input Voltage	96-256Vac, 60Hz/50Hz		
VGA Input	15pin D-SUB connector x 1		
Audio Input	3.5mm stereo jack		
Speaker	1W + 1W		
Power Consumption	25W	35W	
Operation Temperature	0 to 50°C (32 to 122°F)		
Storage Temperature	-10 to 60°C (-14 to 140°F)		

PS. 1.(TYP *) The brightness spec. is from panel spec.

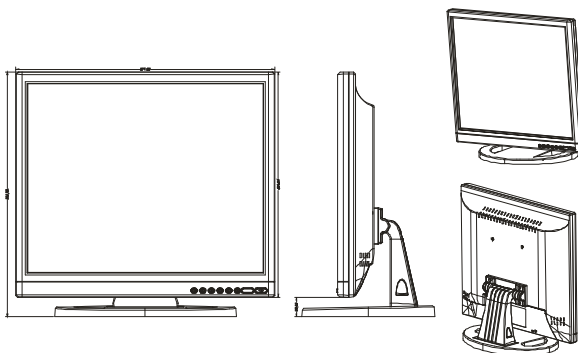
2. Design and Spec. are subject to change without notice.

Dimension

15" LCD



17" LCD



19" LCD

