

 **SANSUI**



Wide TFT-LED Monitor

User's manual

Model No.:ES-27F1

- In order to avoid accident and risk, Please read the "Important safety notice" and instructions before using the monitor.

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1.1 Important Safety Instruction



The lightning flash with arrowhead symbol, within a triangle, alerts the user to “dangerous voltage” which could cause electric shock.



The exclamation point within a triangle indicates to the user to read important operating and maintenance instructions in the manual.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry 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 other apparatus (including amplifiers) that produce 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 third grounding prong. The wide blade or third prong are provided for your safety. When 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 apparatus. When a cart is used caution when moving the cart/apparatus combination to avoid injury tip-over.



13. Unplug this apparatus 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.

Warning : To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

15. The apparatus shall be disconnected from the mains by placing the power/standby switch in the standby position and unplugging the power cord of the apparatus from the AC mains receptacle.


16. The receptacle shall be installed near the equipment and shall be easily accessible.

17. This product should never be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

18. Apparatus shall not be exposed to dripping or splashing.

19. Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).

20. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer of the wall mount bracket.

21.  Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight. To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.

22. The USB terminal should be loaded with 0.5 A under normal operation.

1.2 General Features

Please read this information carefully to ensure viewing pleasure, functionality and safety when using the monitor.

1.3 Technical Features- Overview(for complete specification please refer to section 5)

- DDC1™ and DDC2B™ for Plug & Play compatibility
- VESA® DPMS™ power saving standard

- Resolution SVGA 1366x768 Pixel (18.5”) 1920x1080 Pixel (21.5-28”)
- VGA modes for IBM or PC compatible
- Power Macintosh, Power PC and compatible
- International Standards: FCC
- External power supply

1.4 Precautions

- Sit at least 18in away from the screen.
- Do not apply pressure to the screen! The LED element is very delicate.
- Do not touch the screen directly with your fingers. Substances from your skin may damage the screen and be difficult to remove.
- Always make sure the LED environment is clean and dry..

1.5 Package contents

Your LED Monitor package includes the following parts:

- ◆ Wide Screen LED Color Monitor with foot
- ◆ HDMI Cable and Type C cable
- ◆ User Manual
- ◆ Adapter

If you find any of the above items damaged or missing , please contact your local dealer.

2. Installation

2.1 Hardware Setup

Set your monitor on a stable and even surface.

Make sure the receptacle and the PC are near the monitor to avoid any tension on the signal cable or the power cord.

Choose a well-ventilated space to position your monitor. Avoid exposing the LED to direct sunlight.

Adjust the environmental light for the best viewing condition.

Adjust the tilt of the screen (between $\sim -0^\circ$ to $\sim 180^\circ$ as shown below) to your personal preference.

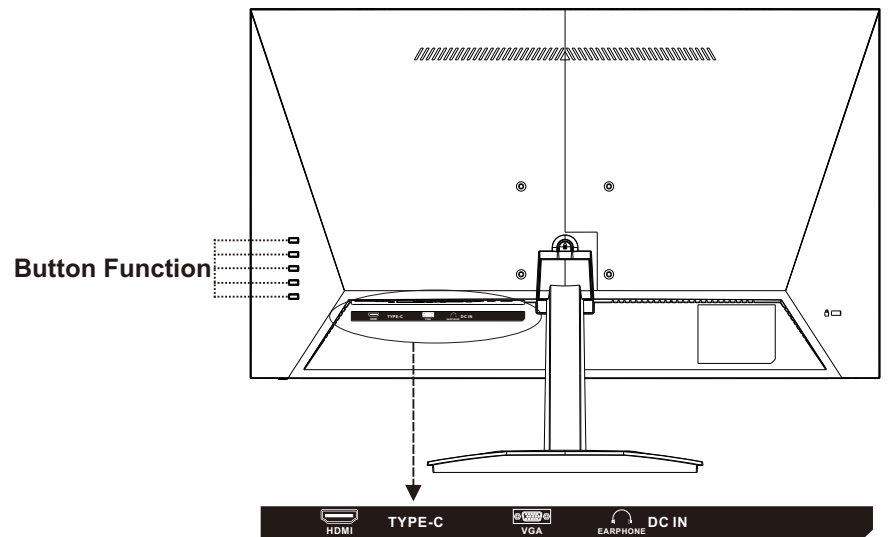
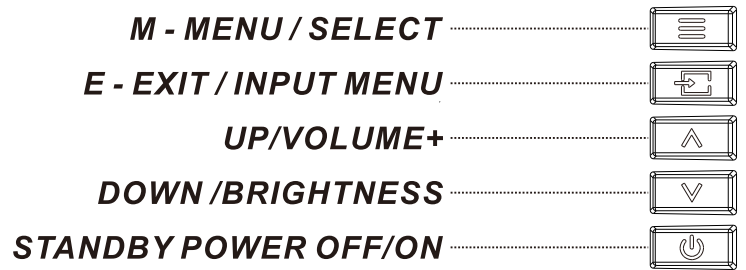
2.2 Connecting the Screen

- A) Make sure, both of your PC and the screen are turned off.
- B) Connect the signal cable: Plug in one end of the signal cable to the appropriate 15 pin D- SUB connector at the back of the monitor. Plug in the other end of the signal cable into the VGA output of your computer. Tighten the two connection bolts on each plug.
- C) Connect the power cord: Plug in the male end of the power cord to the power socket.

3. Operation

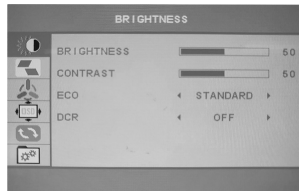
3.1 Button Function description

- 1、 Press menu key display OSD and enter.
- 2、 Press menu key display source(VGA/HDMI/TYPE C optional).
- 3、 Press up key volume+, Press down key volume-.
- 4、 Press down key brightness-, Press up key brightness+.



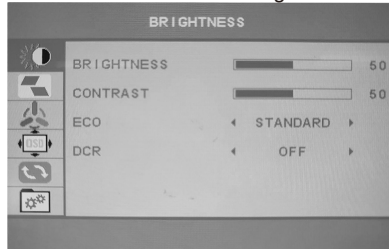
3.2 Main Menu

Press **MENU** button, and the main menu page will appear as follows:



BRIGHTNESS

Press the Menu button to get into the **BRIGHTNESS MENU**, and then press **MENU** button to enter.



Brightness

Press **▼/▲** button to select Brightness, then press **MENU** button to confirm your selection and press **▼/▲** button to adjust. This item can adjust the optical fiber output of the entire picture, and it will affect the dark region of the picture. (0-100)

Contrast

Press **▼/▲** button to select Contrast, and then press **MENU** button to confirm your selection and press **▼/▲** button to adjust. This item can adjust the highlight intensity of the picture, (0-100) but the shadow of the picture is invariable.

ECO

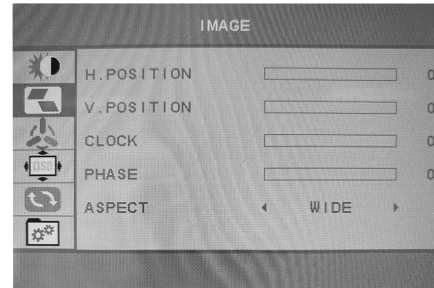
Press **▼/▲** button to select ECO, and then press **MENU** button to confirm your selection and press **▼/▲** STANDARD, RTS, FPS, TEXT, MOVIE, GAME Mode .

DCR

Press **▼/▲** button to select DCR , press **MENU** button to confirm your selection and press **▼/▲** ON/OFF.

IMAGE

Press **▼/▲** button to select IMAGE, and then press **MENU** button to confirm your selection. This item can adjust the configuration automatically. (VGA Mode)



H. Position

Press ▼/▲ button to select **H. Position**, and then press **MENU** button to confirm your selection.

Press ▼ button image will move toward the left side. Press ▲ button image will move toward the right side.

V. Position

Press ▼/▲ button to select **V. Position**, and then press **MENU** button to confirm your selection.

Press ▼ button image will move down. Press ▲ button image will move up.

Clock

Press ▼/▲ button to select **Clock**, and then press **MENU** button to confirm your selection and press ▼/▲ button to adjust.

Phase

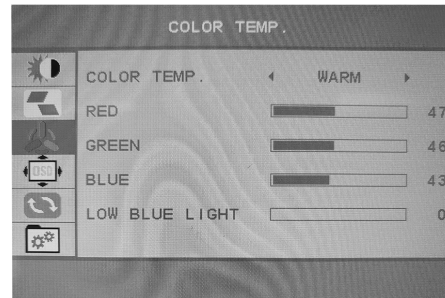
Press ▼/▲ button to select **Phase**, and then press **MENU** button to confirm your selection and press ▼/▲ button to adjust.

ASPECT :

Press ▼/▲ button to select Phase, and then press **MENU** button to confirm your selection and Press ▼/▲ button to adjust. (AUTO WIDE or 4:3).

Color TEMP.

Press ▼/▲ button to select Color in the main menu, and then press **MENU** button to enter.



Press ▼ / ▲ button to select COLOR TEMP, and then press **MENU** button to confirm your selection and press ▼/▲ button to adjust.
This item can change the value of RGB to adjust the image tune.

COLOE TEMP: WARM/USRE/COOL)

Press ▼/▲ button to select User,
and then press **MENU** button to customize temperature.

Red®

Press ▼/▲ button to select Red, and then press MENU button to confirm your selection and press ▼/▲ button to adjust the value of the three primary colors of red.

Press ▲ button to increase the number, and the picture color will become redder as the increasing number.

Press ▼ button to decrease the number, and the picture color will become greener as the decreasing number.

Green(G)

Press ▼/▲ button to select Green, and then press MENU button to confirm your selection and press ▼/▲ button to adjust the value of the three primary colors of green.

Press ▲ button to increase the number, and the picture color will become greener as the increasing number.

Press ▼ button to decrease the number, and the picture color will become redder as the decreasing number.

Blue(B)

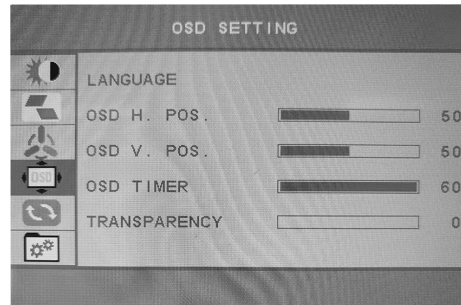
Press ▼/▲ button to select Blue, and then press MENU button to confirm your selection and press ▼/▲ button to adjust the value of the three primary colors of blue.

Press ▲ button to increase the number, and the picture color will become bluer as the increasing number.

Press ▼ button to decrease the number, and the picture color will become more yellow as the decreasing number.

LOW BLUE LIGHT

Press ▼/▲ button to select low blue light, and then press MENU button to confirm your selection and press ▼/▲ button to adjust low blue light.

**OSD SETTING****LANGUAGE**

Press MENU button to LANGUAGE, Press ▼/▲ select LANGUAGE (Options: English/French/Deutsch/Chinese/Italian/Spanish/Portuguese/Turkish/polish/Nederlands/Russian/Korean...)

OSD H.POS

Press ▼/▲ button to select OSD H.Pos, and then press MENU button to confirm your selection and press ▼ button OSD menu will move toward the left side. Press ▲ button OSD menu will move toward the right side.

OSD V.POS

Press ▼/▲ button to select OSD V.Pos, and then press MENU button to confirm your selection and press ▼ button OSD menu will move down. Press ▲ button OSD menu will move up.

OSD TIMER

Press ▼/▲ button to select Menu Time, and then press MENU button to confirm your selection. Press ▼/▲ button to adjust. This item can change the OSD menu display time.

TRANSPARENCY

Press ▼/▲ button to select transparency, and then press MENU button to confirm your selection and press ▼/▲ button to Regulate OSD transparency(0-100).

RESET

Press ▼/▲ button to select reset in the main menu, and then press MENU button to enter.

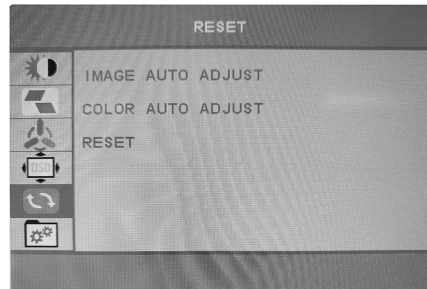


IMAGE AUTO ADJUST

VGA mode press ▼/▲ button to select image auto adjust, and then press MENU button to confirm your selection and press ▼/▲ button to choose image auto adjust.

COLOR AUTO ADJUST

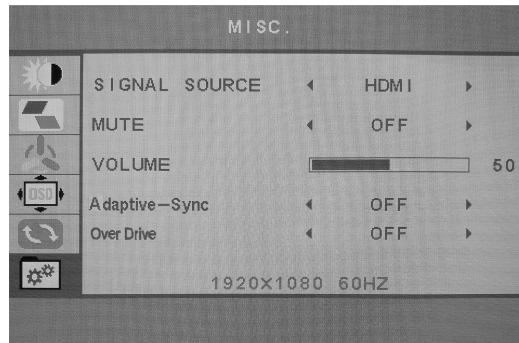
VGA mode press ▼/▲ button to select color auto adjust, and then press MENU button to confirm your selection and press ▼/▲ button to choose color auto adjust.

RESET

press ▼/▲ button to select reset, and then press MENU button to confirm your selection and press MENU button to choose reset monitor.

MISC

Press ▼/▲ button to select misc,in the main menu signal source , and then press MENU button to HDMI /VGA/TYPE-C.

**MUTE**

Press ▼/ ▲ button to select mute, and then press MENU button to confirm your selection and press ▼/ ▲ button to on/off adjust.

VOLUME

Mute is off, Press ▼/ ▲ button to select volume, and then press MENU button to confirm your selection and press ▼/ ▲ button to adjust the volume. (0-100)

Adaptive Sync

Press ▼/ ▲ button to select Adaptive Sync, and then press MENU button to confirm your selection and press ▼/ ▲ button to on/off adjust.

Over Drive

Turn Over Drive On/Off.

TYPE-C

Type-c can charge other products for 18W
Support partial product image and sound transmission.

Note: For VOLUME function, please ensure the audio is connected to the sound card of the computer or to the output source of any media player with 3.5mm stereo socket.

Troubleshooting

1. No Image on Screen
 - a) Check if the power button has been switched on.
 - b) Verify the brightness and contrast of the monitor is within the normal setting.
 - c) Check if the power indicator is flashing. If so this indicates that the monitor is not receiving the input signal.
 - d) If the signal indicator is notebook or laptop, make sure that the signal has been switched to screen mode.
2. Non-focus Image
 - a) Check if the image signal cable is inserted properly (upright position).
3. Flash Screen
 - a) The power is insufficient to connect the monitor or too weak.
 - b) To avoid magnetic field around the monitor, do not place these devices close to it, speakers, fluorescence lightings, AC transformer, table fan, and etc.
 - c) By pressing the Exit key, the Auto Adjust Image function will automatically apply optimized settings to the display.
4. Wrong or Unusual Color
 - a) If red, green, blue, or any of the color disappears, check to see if the signal cord is connected properly. If the plug is loosely connected it might cause bad connection.
 - b) Try connecting to another PC for comparison.

5. The Entire Screen displays Up and Down H-rolling Scan
 - a) Make sure that the input signal frequency is within 49 – 76Hz.
 - b) Re-tighten the signal cable.
6. How to Clean the Monitor
 - a) Make sure that the monitor power has been switched off.
 - b) Do not spray any liquid on the screen or the plastic panel directly.
7. When Cleaning the Screen
 - a) Use clean, soft no fur materials to clean the screen.
 - b) If it is still dirty, add a little non-ammonia liquid and/or non-alcohol glass cleanser to clean the screen.
8. When Cleaning the Plastic Panel
 - a) Use soft dry cloth
 - b) Add a little non-ammonia liquid and/or non-alcohol/non-abrasive cleanser to clean the surface if it is still unclean.
9. No image
 - a) Ensure that the power cord is connected to the display, power adapter and receptacle is active
 - b) Signal line is connected well
 - c) Status display of power
 - d) Adjust contrast and brightness

All specifications and information are subject to changes without further notice

3.3 Plug and Play

This monitor features the VESA DDC (display data channel) standard which, when used with a DDC compatible video card, will simplify the monitor's set up. With VESA DDC1/2B, when the monitor is powered up, it will automatically notify a windows 2000/XP/VISTA/7/8/10 host computer of its scanning frequencies, capabilities and characteristics. Windows 2000/XP/VISTA/7/8/10 will automatically recognize the connection of the monitor and select the appropriate display resolution.


3.4 Power Management System

This monitor complies with the EPA'S Energy Star requirements and VESA DPMS standard, the following is the description of the indicator for the power saving modes.

MODE	POWER INDICATOR	POWER USED
ON	GREEN or BLUE	≤60W
STAND BY	RED/PUT OUT	≤1W
OFF	OFF	≤0.5W

4. Technical Specification

4.1 Product Specification

LED Panel	27"		
Pixel pitch (um)	311.25×311.25	Horizontal Frequency	59.4~92.8KHz
Display Size (mm)	597.6×336.15	Input Voltage	12V  5A
Aspect Ratio	16:9	Operating Environment	Temperature:0~45 Humidity:≤80%
Display Colors	16.7M		
Ideal Resolution	1920×1080	Dimension(L×W×H)	613×182.2×443.8mm
Brightness (cd/m ²)	250	Net Weight (Kg)	3.56
Contrast Ratio	3000:1	Packed Weight(Kg)	4.83
Viewing Angle	H:178°/V:178°		
Vertical Frequency	49~76Hz		



Note: all technical specifications are subject to change without notice.

4.2.The table of VGA default mode

	Resolution	Line frequency (KHz)	Field frequency (Hz)
1	640x480	31.5	60
		37.9	72
		37.5	75
2	800x600	37.9	60
		47.2	72
		46.9	75
3	1024x768	48.4	60
		56.5	70
4	1366x768	47.9	60
5	1280x1024	64.0	60
		80.0	75
6	1440x900	56.0	60
7	1680x1050	65.5	60
8	1920x1080	67.3	60



The Adopted Trademarks HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

USB Type-C Port

This port supports DisplayPort Alternate [DP Alt] Mode and up to 9V2A(65W Max) power delivery.

VESA Mounting

*Plate Type: 100 x 100mm

*Screw Type: M4 x 8 mm(4pcs)