19 inch Ultra-clear LCD monitor

（1000nits/1600nits ）

Operation Instruction

- In order to ensure the correct using of the product, please carefully read the following main standards for installation, using and maintenance.
- Please read the safety measures and operation instructions carefully before using this product.
- Please keep this safety measure and operation manual for your reference.
- Please pay attention to the warning and follow the instruction manual
- All instructions should be strictly followed.

1.Please use the original power cable.

2.Do not place heavy objects on the monitor

3.Do not place the monitor in a wet or rainy place to avoid fire or electric shock.

4.Do not place containers containing liquids (e.g. cups, drink bottles) on the monitor.

5.Do not place the monitor in a heat place .

6.To prevent electric shock, make sure the grounding terminal on the ac power plug is properly grounded.

7.Do not open the back cover to prevent electric shock. If you have any questions, please contact our customer service center.

8.If there is no picture or sound during use, the power plug must be removed from the socket immediately. After the inspection, if you have any questions, please contact our customer service center.

9.Please do not put the product on the unstable car, shelf or table, which may cause the product to fall and seriously hurt children and adults. It can also damage the product.

10.Do not touch the plug with wet hand, it may cause electric shock.

11.Do not place the monitor LCD panel in direct sunlight for long time, because this can cause damage or aging of the LCD panel.

12.Please place the product at the right temperature and humidity.

13.Please do not drop anything liquid and put anything into the product. This may cause voltage instability and short circuit, which may cause fire and power failure.

14.If the device is not used for several days or a long time, please unplug the power plug from the socket.

15.When using this monitor, please keep a gap of at least 5cm around the ventilator hole to achieve a good cooling effect.

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Security

1. Screen maintenance

To avoid uneven colors, stains, and scratches on the screen, be careful with the following details:
A.Don't hit the screen with a hard object.
B.Don't scrub hard on the screen.
C.Do not wipe the screen with solvents such as alcohol, diluents or gasoline.
D.Do not spray cleaner or other cleaner on the monitor or LCD panel as this may cause the monitor to fail due to water droplets.
E.Don't write on the screen
F.Do not post or paste any sticky marks.

For difficult stains, gently rub the monitor and the LCD panel with a wet cloth moistened with the detergent, and then wipe dry with a clean, dry cloth. This way, the monitor will not break down due to water dripping into the interior.

2. Maintenance of machine case

In order to avoid damaging the paint peeling on the surface of the chassis, please pay careful attention to the following details:

A. Do not wipe the monitor case with a solvent such as alcohol, diluent or gasoline. This may cause the monitor surface to discolor.

B. Do not leave the product in rubber or plastic for long time.

C. Do not rub the case hardly, use a soft cloth to rub the case. If the case is difficult to handle, please dip the soft cloth with detergent after adding water, then wring it out and wipe it.

3. Installation

Maintain adequate air circulation to prevent overheating inside the equipment. Please do not place the product on the surface of certain items (such as blankets, carpets, etc.) as these items may block the vents.
Please do not place the equipment near a radiator or air duct, or place the equipment where there is a large amount of dust or mechanical vibration.

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4. Rack installation

1U of space above and below the monitor to ensure adequate air circulation, or to install fans to maintain monitor performance. Please install this product according to the original mounting rack.

Transportation

This monitor is transported with precise equipment and professional packaging materials, so do not use other packaging materials for packaging transportation to prevent damage to the equipment.

When the following situations occur, please turn off the power, do not plug in and consult a professional service personnel timely:

A.When the product is smoking or smells bad
B.When the product appears unclear, such as no picture or no sound.
C.When a liquid is spilled into the product or the product falls.
D.When the product gets wet or falls into the water.
E.When the product is broken or otherwise damaged.
F.When the power cable or plug is damaged

The following situations are not fault matters:

1.If the still image is displayed for too long, the residual image will appear, which should be attributed to the LCD display features, not a fault problem. The residual image will automatically disappear after a period of time.
2.If the device is used in a cold environment, a residual image may appear on the screen. This is not a product glitch. When the monitor warms up, the screen returns to normal.
3.Spots (red, blue, or green) may appear on the LCD screen, which is not a fault. The LCD screen is produced using high-precision technology, and a few pixels may not be displayed intermittently.
4.The screen and chassis gradually warm up during operation

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Product Features:

19 inch Ultra-clear LCD monitor (1000nits/1600nits)is designed as high-brightness reflection monitor for the teleprompters .This monitor adopt Ultra-clear LCD panel（1000nits/1600nits）,10bit processing circuit ,true color restoration ；wide viewing angle and excellent brightness and contrast ratio ,take new experience for the users . During the display function，the users can also monitor audio ，display the audio frequency meter ,UMD，Marker label ，provide a complete solution for video/audio display system , this monitor was wide used in broadcasting and TV programs .

Monitor technical indicators and parameters:

- The latest 3D picture quality digital processing circuit, with dynamic compensation and digital, 3D noise reduction function, better picture performance
- 16.7M color, real restore of every detail of the picture
- 23/5000
- I2C bus latest control circuit, high reliability, good expansibility
- 5ms quick response, no tail5.Long time display fixed image without residual image
- Large visual Angle, can see clearly in different angles
- Rich interface, support a variety of signal input, suitable for a variety of professional display applications
-

Structural Features:

- The machine adopts all-metal housing, anti-static, anti-magnetic field, anti-strong interference
- The appearance is novel and beautiful, the installation is quick and simple
- Ultra-quiet cooling fan design, improve the cooling efficiency, longer lifetime
- Embedded structural design (combined curtain wall installation), wall-mounted, hoisting and desktop bracket installation

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Specification : 19inch 1000cd/㎡/1600cd/㎡ monitor

Power	100VAC~240VAC (50/60Hz)	Size	19 inch
Max Resolution	1280X1024	Pixel Pitch	0.294(H)*0.294(V)
Active Area	376(H)*301(V)	Liquid crystal Type	TFT-LCD
Color Display	16.7M	Brightness	1000cd/㎡/1600cd/㎡
Contrast	800:1	Angle of View(H/V)	160°/ 160°
Response Time	5ms	Display Model	5:4
OSD Menu	YES	Language	Chinese /English
Image Freezing	YES	3D Comb Filter	YES
Digital Noise Reduction	TNR noise reduction	Signal Damping	YES
Compatible HDTV Input	480P ,576P,720P,1080I,1080P	Field Frequency	50HZ ,60HZ
Video Format	PAL/NTSC	VGA 1 CHANNEL	D-15pin RGB Input/output
HD connector	1 channel HDMI Input/Output	AV Signal Input	YES
Connecter	VGA/HDMI SDI(optional)	USB	YES
Max Power Dissipation	≤50W	Working Temperature	0°~50°
Working Humidity	20%~90%	Materials	Cool-rolled steel ,Surface painted black
Weight	4.5kg	Size	505*185*435mm

Technical Specifications :

- Resolution:1280H ×768V
- Viewing Angle :178H×178V
- Contrast ratio 1000:1，Color:16.7M
- 1 road VGA input, loop through output;
- 1 way compound input
- 1 channel HDMI input loop through output
- Customize color temperature ,built-in 9300K, 6500K, 5600K, 5000K color temperature
- Accurate color restoration, 3D-LUT loading, Lightspace color calibration;
- Equipped with x-prompter upper computer color communication management software, the monitor color loading management.

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External description and button function :

Button function：

1.Monitor button function instruction：

● **Power button and Indicator light**

After the monitor is connected to the external power, this button is triggered, the software enters the startup process, and the status also turns blue. Press this button in the working state to turn off the monitor power and enter the low power consumption standby state

● **INPUT Button**

Press this key to switch the monitor's current input signal state to HDMI, VGA, CVBS input ports

● **ENTER Button**

Press the keys to set the mode, and press ENTER to save the current parameters

● **UP Button**

This button can be used to move the menu options up or adjust the backlight, volume and other parameters

● **DOWN Button**

This button can be used to adjust the menu options down or backlight, volume and other parameters.

● **MEMU Button**

Through this menu, you can exhale the main menu, and press this menu again to exit the main menu or the secondary menu.

● **MIRROR Button**

Press this key to switch the current monitor screen to a mirror screen.

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Interface specification

● **The monitor Interface specification**

AUDIO interface, the speaker can play out the input AUDIO signal. You can use the LCD's built-in speakers without the need for headphones or speakers.

● **AV input port**

Used for AV signal input port, through which the analog video signal is input into the monitor for signal monitoring. By default, this port is set as high standard clear fully compatible video port.

● **VGA Output port**

A port used for VGA signal output, through which VGA is output to other display signals

● **VGA Input port**

A port used for VGA signal output, through which VGA is input to other display signals

● **HDMI Output port**

A port used for HDMI signal output, through which HDMI is output to other display signals
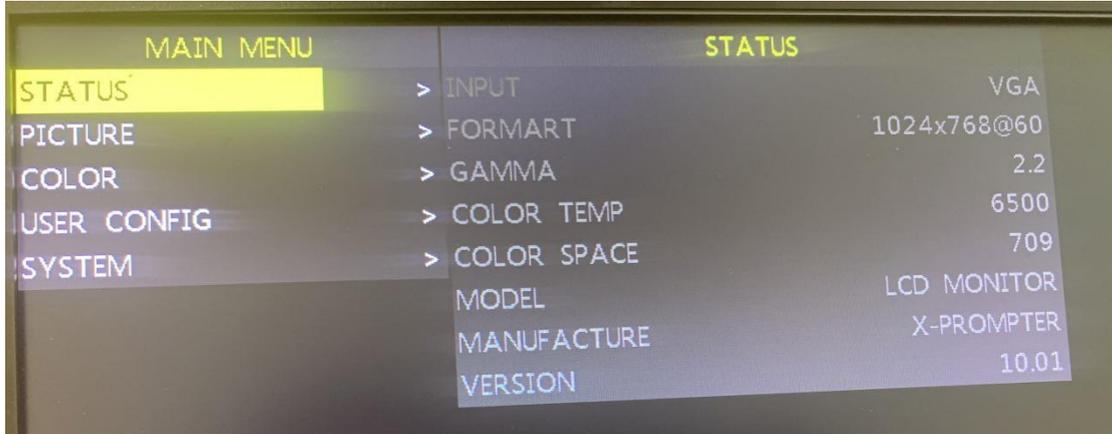
● **HDMI Input port**

A port used for HDMI signal output, through which HDMI is input to other display signals

● **USB interface**

USB interface is used for future update

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2.MAIN MENU Instruction

STATUS

● **INPUT options**
Press this key to switch the monitor's current input signal state to HDMI, VGA, CVBS input ports.

● **FORMART options**
Display resolution.

● **GAMMA options**
The standard gamma for video is 2.2.

● **COLOR TEMP options**
Liquid crystal display effect 6500K.

● **Color Space**
Color Space   color standard Rec.709.

● **MODEL:**
the monitor type is LCD MONITOR

● **Manufacture**
Manufacturer ：X-PROMPTER

● **VERSION**
The system version is：10.01

PICTURE

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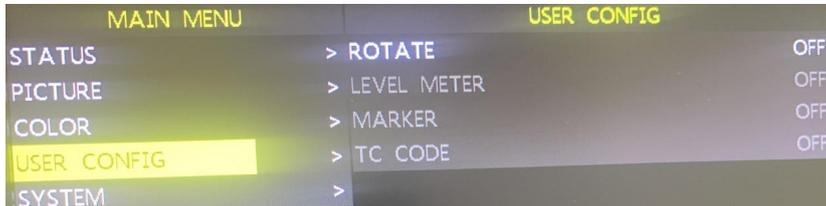
- **BRIGHINESS options**
  Display brightness is adjustable 0－100.
- **CONTRAST options**
  Display contrast is adjustable 0－100.
- **SATURATION options**
  Monitor saturation is   adjustable 0－100.
- **SHARPNESS options**
  Monitor clarity is adjustable 0－100.
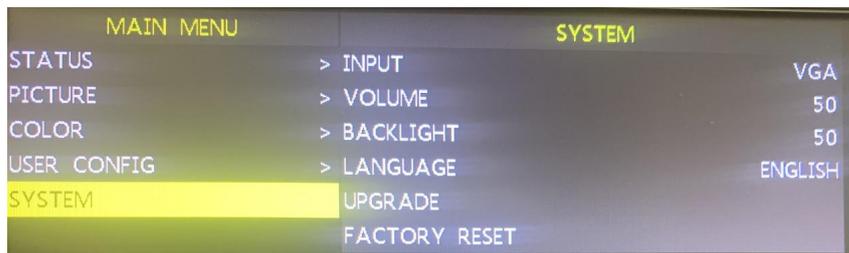- **Color RANGE**
  Color RANGE 64－940.

Color

- **COLOR TEMP**

LCD display effect :6500K。

- **(RED、GREEN、BLUE) GAIN**

RGB：0－255。

- **COPY FROM**

the monitor display color temperature :6500。

- **RESET**

  Restart the button. we suggest do not use it.

- **GAMMA options**

The standard gamma for video is 2.2.

- **COPY SPACE**

Apply colours to a drawing：709。

- **LUT CONTROL**

The role of color space conversion

- **3D LUT**

Color lookup table

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USER CONFIG

- **ROTATE**
  The monitor rotates
- **LEVEL METER**
  Monitor horizontal line.
- **MARKER**
  Monitor ruler marks.
- **TC CODE**
  Display time code

SYSTEM

- **INPUT**
  Input signal display option。
- **VOLUME**
  Volume control enhancement
- **BACKLIGHT**
  Monitor backlight is adjustable 0－100。
- **LANGUAGE**
  Language options (Chinese, English)
- **GAMMA options**
  The standard gamma for video is 2.2.
- **UPGRADE**
  Monitor system upgrade
- **FACTORY RESET**
  factory data reset
  SOURCE
  Signal input channel selection (HDMI\VGA\CVBS)

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The screen remote control instruction

- **Power button**

After the display is connected to the external power supply, this button is triggered, and the software enters the boot process. Press this button in the working state to turn off the display power and enter the low-power standby state.

- **PREEZE button**

Press this key to turn the monitor into a mirror image.

- **INPUT button**

Press this key to switch the current input signal state of the monitor to HDMI, VGA and CVBS input ports, and the signal status light will change from the off state to the blue on state.

- **VGA button**

Press this key to directly switch the current input signal state of the display to the VGA input signal.

- **SDI button**

Press this key to directly switch the current input signal state of the display to the SDI input signal.

- **HDMI button**

Press this key to directly switch the current input signal state of the display to the HDMI input signal

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After-sales service

1.The warranty information：

the ultra-clear monitor users can enjoy the 2 years warranty for mainboard , one year after sales service guarantee for LCD panel. Appearance wear or damage is not covered by the warranty, the monitor artificial damage is not covered by the warranty.

2.Maintenance regulations:

the ultra clear monitor Users can enjoy the free upgrade of the firmware system for life, the accurate color of the monitor and the internal and external cleaning and maintenance services. Customers who come to repair and maintenance must bring the product manual to avoid unnecessary losses.

3.Warranty Instruction :

According to the new "three guarantees" regulation, the monitor warranty period is two years for the mainboard and one year for the LCD panel (calculated on the date of spontaneous delivery).

● Where the product is in functional failure, customers can choose to return, change, repair and other services according to the relevant provisions;

● In the warranty period, any fault caused by the quality of the product itself, with the warranty card and machine purchase bill, enjoy free maintenance services;

● Please keep the maintenance card and purchase ticket properly, no replacement will be made if lost. In addition, once the warranty certificate is altered, the warranty will automatically become invalid.

Note: in case of after-sales disputes, the decision shall be made according to national regulations.

For any of the following circumstances, maintenance at a fee only:

1. Exceed the warranty period;

2.Failure to use, maintain or keep the product in accordance with the applicable requirements and cause damage;

3.Damage caused by disassembly by a repairman

4.If there is no valid certificate or valid bill for the three guarantees, except those that can prove that the commodity is within the validity period of the three guarantees;

5.Alter the warranty certificate without authorization

6.The product model or serial number on the warranty certificate does not conform to the actual commodity

7.Injury caused by force majeure

8.In case of any changes listed above, the company's new regulations shall prevail.