

User Manual



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Important Safety Instructions:



The device has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the device should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Please do not place the display screen towards the ground to avoid scratching the LCD surface.
- Please avoid heavy impact.
- Please do not use chemical solutions to clean this product. Simply wipe with a clean soft cloth to maintain the brightness of the surface.
- Please do not block any vent hole.
- Please follow the instructions and trouble-shooting to adjust the product.

Internal adjustments or repairs must be performed by a qualified technician.

- Please keep user guide for future reference.
- Please unplug the power if long-term no-use, or thunder weather.

1. Product Description

1.1 Main Features

- 10-point capacitive touch screen
- 1000cd/m² high brightness
- IP65 front panel waterproof and dustproof
- Support multiple video input interfaces: HDMI, VGA, DP, USB-C (Optional)
- Support HDMI 4K 30Hz and DP 4K 60Hz
- Support Windows XP/7/8/8.1/10, Android, Linux and MAC OS

1.2 Rear Case



1) INPUT Button: Switch among of VGA, HDMI, DP and Type-C signals

- 2) MENU Button: Press it to display the menu on the screen when power on. Press it to confirm the option selected.
- 3) ◀ Button: Press it to decrease backlight as default when power on; Select options upward in the menu.
- 4) ▶ Button: Press it to increase backlight as default when power on; Select options downward in the menu.
- 5) EXIT Button: Return button for menu
- 6) FN Button: Switch among Mute, Overscan, Scan, Aspect, Freeze and Image Flip.
- 7) Power Button: Power on/off
- 8) Earphone Jack (3.5mm)
- 9) Audio In (3.5mm)
- 10) VGA Input HDMI 1.4b Input
- 11) DP Input
- 12) VGA Input
- 13) USB-C input
- 14) Power Input: DC 9-36V



- 1) Infrared window
- 2) Power indicator light

3) Light sensor

2. Menu Setting

Before setting the functions, please make sure the device is connected correctly.

2.1 MENU/ ▷ / ◁ Button

- Press MENU button, the menu will pop up on the screen. Then select item as the following sequences via pressing ▷/◁ button: PICTURE /FUNCTION / VGA / AUDIO / SYSTEM. Press MENU button again to enter into the item you select.
- Press ▷/◁ button to adjust options or values in the selected item. Then press MENU button to apply and save the setting, and press EXIT button to exit.
- When Menu is inactivated, press ▷/◁ button to adjust backlight. Then select item as the following sequences via pressing MENU button: Volume / Contrast / Saturation / Brightness and Exit. Press ▷/◁ button again to adjust the value in the selected item.

2.2 Menu Operation

2.2.1 PICTURE



ITEMS	OPTIONS
Brightness	0-100

Contrast	0-100		
Saturation	0-100		
Hue	0-100		
Sharpness	0-4		
Color	6500K / 7500K / 9300K / User		
Temperature	Red Gain	0-255	Note: Only available when under [User] mode to adjust R/G/B gain and offset.
	Green Gain	0-255	
	Blue Gain	0-255	
	Red Offset	0-511	
	Green Offset	0-511	
	Blue Offset	0-511	

- **Brightness**

Adjust the brightness of the LCD Screen, adjustable range: 0-100.

- **Contrast**

Adjust the contrast of image, adjustable range: 0-100.

- **Saturation**

Adjust the saturation, adjustable range: 0-100.

- **Tint**

Adjust the hue of the image, adjustable range: 0-100.

- **Sharpness**

Adjust the sharpness of image, adjustable range: 0-4.

- **Color Temperature**

Options: 6500K / 7500K / 9300K / User. The standard color temperature is 6500K.

Note: Only available when under [User] mode to adjust R/G/B gain and offset.

2.2.2 FUNCTION



ITEMS	OPTIONS	
Scan	Aspect / Pixel To Pixel / Zoom	
Aspect	Full / 4:3 / 3:2	Only available under [Scan]-[Aspect] mode
Overscan	Off / On	Only available under [Scan]-[Aspect] and [Zoom] mode
Zoom	X1.5 / X2 / X3 / X4	Only available under [Scan]-[Zoom] mode
Image Flip	Off / H / V / H&V	
Freeze	Off / On	
Eco Mode	Off / On	
No Signal Mode	Sleep / Power Off / Normal	

- **Scan**

Options: Aspect / Pixel To Pixel / Zoom.

Note: Under [Pixel To Pixel] mode, Aspect, Display scan and Zoom cannot be adjusted. Under [Zoom] mode, Aspect cannot be adjusted.

- **Aspect**

Options: Full / 4:3 / 3:2.

Note: Only available under [Scan]-[Aspect] mode.

- **Overscan**

Options: Off / On

- **Zoom**

Options: X1.5 / X2 / X3 / X4

Only available under [Scan]-[Zoom] mode. Users can select zoom ratio according to different needs.

- **Image Flip**

Options: Off / H / V / H&V

- **Freeze**

Options: Off / On.

Activate freeze function to freeze current picture when playing the video.

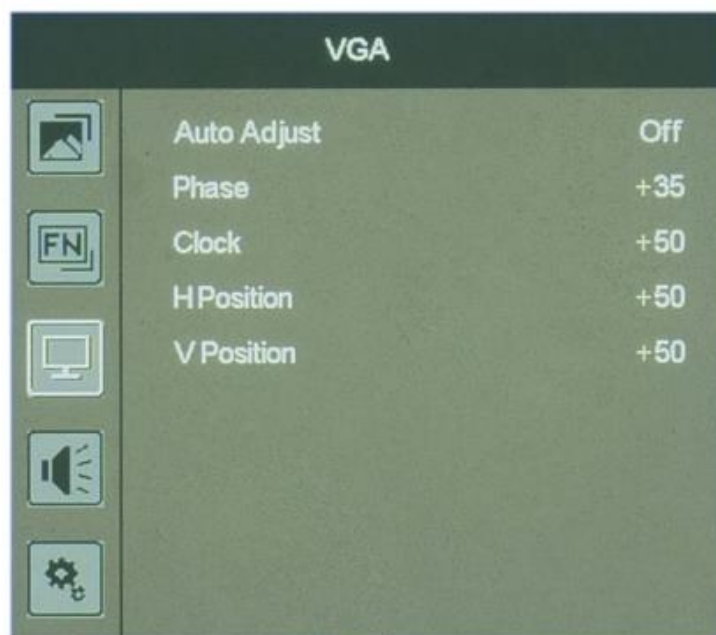
- **Eco Mode**

Options: Off / On.

- **No Signal Mode**

Options: Sleep / Power Off / Normal

2.2.3 VGA



ITEMS	OPTION
Auto Adjust	On / Off
Phase	0-100
Clock	0-100
H-Position	0-100
V-Position	0-100

- **Auto Adjust**

Select [On], the monitor can automatically adjust the position of the image. Select [Off], users can manually adjust the position of the image.

- **Phase**

Adjust internal phase sequence difference. Adjustable range: 0-100.

- **Clock**

Adjust internal oscillation frequency when interference occurs. Adjust this item, the image can be compressed or stretched left or right. Adjustable range: 0-100.

- **H-Position**

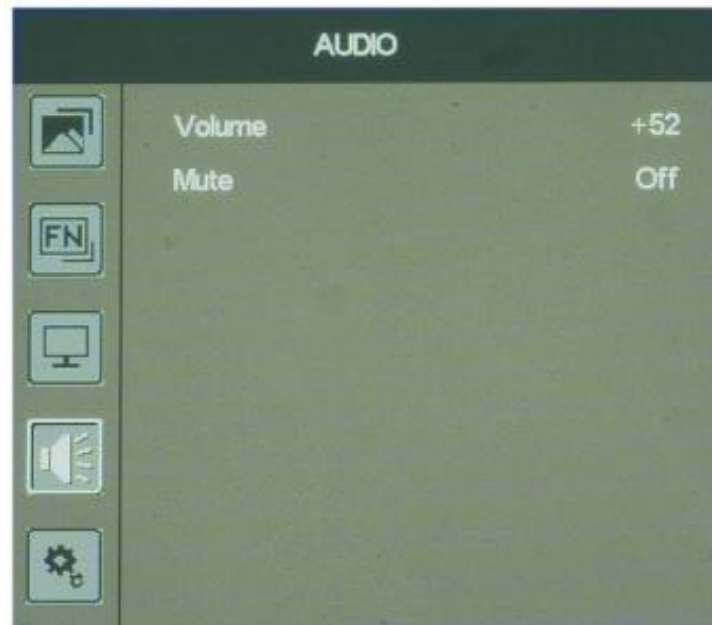
Horizontally adjust the position of the image on the screen. Adjustable range: 0-100.

- **V-Position**

Vertically adjust the position of the image on the screen. Adjustable range: 0-100.

Note: Only available under VGA mode.

2.2.4 AUDIO



ITEMS	OPTION
Volume	0-100
Mute	On / Off

- **Volume**

Adjust the volume of built-in speaker or earphone. Adjustable range: 0-100.

- **Mute**

Stop any audio output.

2.2.5 SYSTEM



ITEMS	OPTION
Language	English / 中文
OSD Timer	10s / 20s / 30s
OSD Trans.	0-100
OSD H-Position	0-100
OSD V-Position	0-100
OSD Rotate	Off / 90° / 270° / 180°
Backlight Mode	Sensor / User
Backlight	0-100
Reset	Off / On

- **Language**

Options: English / 中文.

- **OSD Timer**

Options: 10s / 20s / 30s.

- **OSD Trans.**

Adjust the transparency of OSD. Adjustable range: 0-100

- **OSD H-Position**

Adjust the OSD Horizontal Position. Adjustable range: 0-100

- **OSD V-Position**

Adjust the OSD Vertical Position. Adjustable range: 0-100

- **OSD Rotate**

Adjust the OSD Rotate. Options : Off / 90° / 270° / 180°

- **Backlight Mode**

Options: Sensor / User

Sensor: The backlight brightness cannot be adjusted.

User: Adjustable backlight brightness.

- **Backlight**

Adjustable range: 0-100. When use USB-C cable to power monitor, the backlight will be fixed on 50.

- **Reset**

If there is any problem unknown, please select [On]. The monitor will restore factory defaults.

3. Parameters

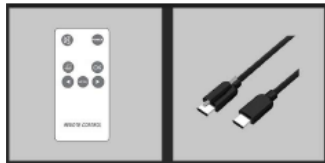
Screen Size	23.8"
Physical Resolution	1920 x 1080
Aspect Ratio	16:9
Brightness	1000cd/m ²
Contrast	1000:1
Viewing Angle	178°/ 178°(H/V)
Touch	Without touch / 10-point capacitive touch (for optional)
Input	HDMI, VGA, DP, USB-C (optional)
Output	Earphone jack
Input Voltage	DC 9-36V
Power Consumption	≤55W (12V)
Operating Temperature	-20°C - 60°C
Storage Temperature	-30°C - 70°C
Dimension (LWD)	587.4x356.8x54.9mm
VESA Mount	100mm
Weight	7.6kg

4. Accessories



Standard

1) 12V 5A DC Adapter	1 piece
2) HDMI A-A Cable	1 piece
3) VGA Cable	1 piece
3) USB A-C Cable (for Touch Version Only)	1 piece
4) Audio Cable	1 piece
5) Screw Kits	12 sets
6) Cable Clamp	4 pcs



Optional

1) Remote Control	1 piece
2) USB A-C Cable (with screw)	1 piece

5. Trouble Shooting

- **Only black-and-white display:**

Check whether the color saturation is properly setup or not.

- **Power on but no pictures:**

Check whether the cables of DP, HDMI, and VGA are correctly connected or not.
Please use the standard power adapter coming with the product package.

Improper power input may cause damage.

- **Wrong or abnormal colors:**

Check whether the cables are correctly and securely connected or not. Broken or loose pins of the cables may cause a bad contact.

- **Other problems:**

Please press MENU button, choose [SYSTEM] → [Reset] → [On].

Note: Due to constant effort to improve products and product features, specifications may change without notice.