USER MANUAL

1589GFP

15.6-inch Sunlight Readable Touch Display

Xenarc Technologies Corp.

Connecting 1589GFP Display with Your Device

1. Remove the 12 screws (circled in red below image P1) and remove the input compartment cover to reveal the input compartment as show below in image P2.

P1. Remove 12 Screws holding the cover

P2. Input Compartment after cover removed

2. Each cable needs to be matched with correct size Waterproof Rubber Grommet. For example, the included HDMI cable is 6mm in diameter (below image P3), so take Size #6 Rubber Grommet (Size number is marked on the Rubber Grommet. Size #6 is already pre-installed on the monitor.) and install it onto the HDMI cable (below image P4). * If you are not using the included cables, please measure the cable wire diameter to determine the correct size Rubber Grommet to use.


P3. Diameter of HDMI cable: 6mm.

P4. Install Rubber Grommet onto HDMI cable.

3. Plug the HDMI cable into the monitor, push the Rubber Grommet down into the slot like the below image P5. Ensure that the Rubber Grommet is pushed to the very bottom in order to guarantee the best water protection. Connect the other side of the cable to your source device.

4. Repeat step 1 through 3 to connect the rest of the cables. (Included USB Cable is Size #4 and DC cable is Size #3 and the respective Rubber Grommets are already pre-installed in the monitor. Other sizes can be found in plastic bag that came with the monitor if you would like to use your own cabling)
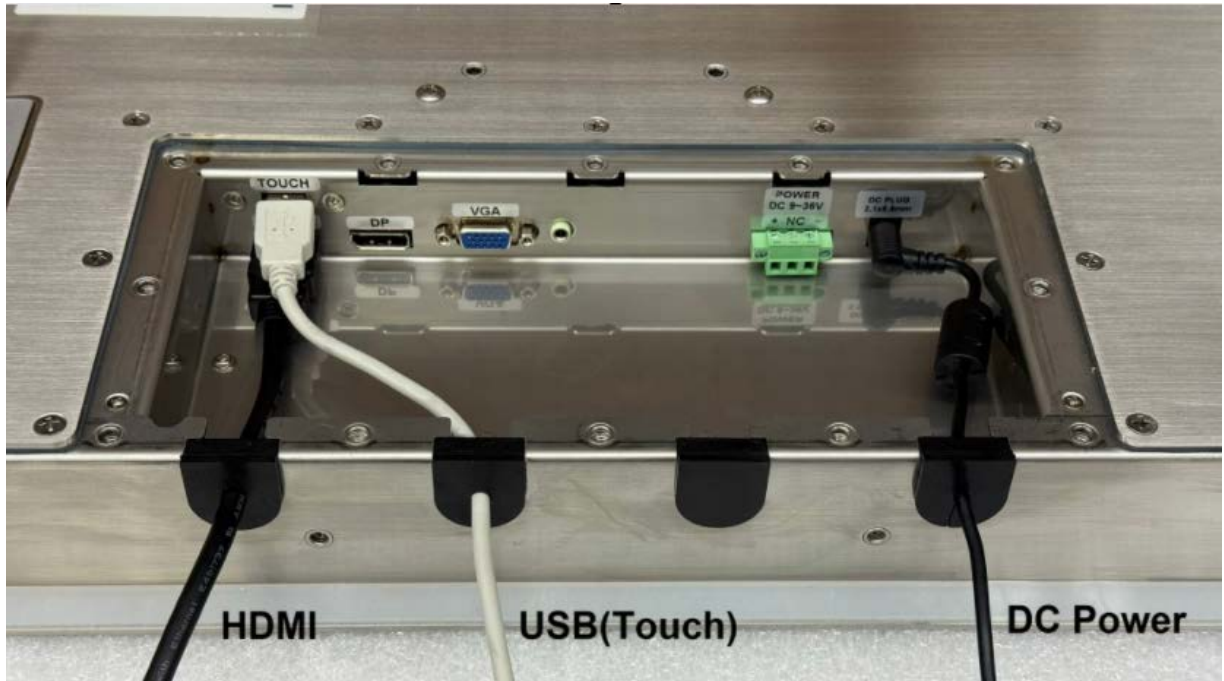
P5. Cables together with Waterproof Rubber Cable Grommets installed into Input Compartment.

5. Reinstall the input compartment cover and tighten the 12 screws as image P6 shown below.

P6. Please ensure that the Rubber Grommets are pushed to the very bottom in order to guarantee the best water protection.

■ Turning On the Display

1. Connecting the DC power cable to DC input. Pick one of 3 pin terminal block or DC plug power input to connect your power source.

* Do not connect the positive and negative poles in reverse.

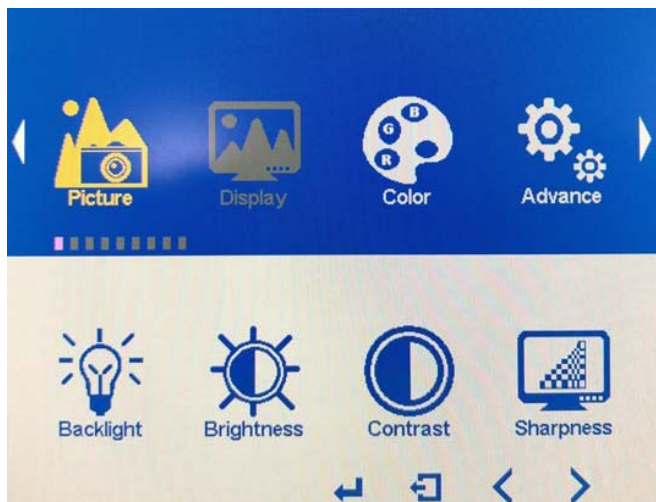2. The display will be turned on automatically after power up.

Operation Instruction

■ OSD Buttons

6   5   4   3   2   1
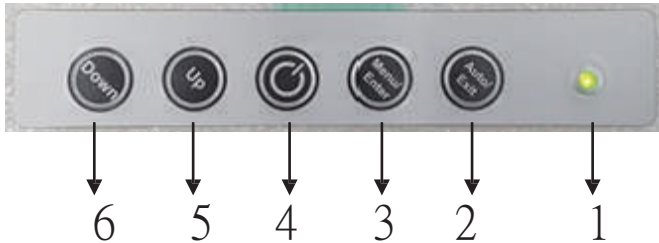
    1. Power LED Light
    2. Auto/Exit
    3. Menu/Enter
    4. On/Off
    5. Up
    6. Down

■ OSD Menu
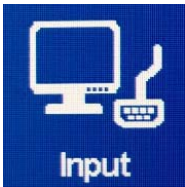
1. Press the **MENU-button** to activate the OSD window.
2. Press **Up** or **Down** to select the navigate through the functions. Once the desired function is highlighted , press the **Menu-button** to activate it. If there is a sub-menu, press **Up** or **Down** to navigate through the sub-menu functions.
3. After adjusting the value , press **Menu-button** to save the value.
4. Press **Menu-button** to select Exit. It will exit the OSD Window.

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Main Menu	Sub-Menu	Description	Default
Picture	Backlight	Adjust the Value of Backlight.	Default=100 Min. / Max : 0/100
	Brightness	Adjust the Value of Brightness.	Default=50 Min. / Max : 0/100
	Contrast	Adjust the Value of Contrast.	Default=50 Min. / Max : 0/100
	Sharpness	Adjust the Value of Sharpness.	Default=2 Min. / Max : 0/4
	Exit	Exit the Sub-menu	Exit

Main Menu	Sub-Menu	Description	Default
Display (VGA Mode)	Auto Adjust	Auto Adjust the VGA Signal.	
	HPosition	Adjust H. Position of VGA Signal.	Default=50 Min. / Max : 0/100
	VPosition	Adjust V. Position of VGA Signal.	Default=50 Min. / Max : 0/100
	Clock	Adjust Clock of VGA Signal.	Default=50 Min. / Max : 0/100
	Phase	Adjust Clock of VGA Signal.	Default=52 Min. / Max : 0/100
	WhiteBlance	White Balance adjustment.	
	Exit	Exit the Sub-menu.	Exit

Main Menu	Sub-Menu	Description	Default
Color	Temperature	Select the Color Temperature **Cool**、 **Normal 1**、**Normal 2**、**Warm**、 **Standard**、**User**	Default=User
	ColorEffect	Select the Color Effect **Standard**、 **Game**、**Movie**、**Photo**、**Vivi**、**User**	Default=Standard
	Hue	Adjust the Value of Hue.	Default=50 Min. / Max : 0/100
	Saturation	Adjust the Value of Saturation.	Default=50 Min. / Max : 0/100
	Exit	Exit the Sub-menu	Exit

Main Menu	Sub-Menu	Description	Default
Advance	DDCCI	Select DDCCI (On/Off)	Default=On
	Exit	Exit the Sub-menu	Exit

Main Menu	Sub-Menu	Description	Default
Input	A0:VGA	Select VGA Input	Auto Select
	D0:DP	Select DP Input	
	D1:HDMI	Select HDMI Input	

Main Menu	Sub-Menu	Description	Default
Audio	Volume	Adjust the Value of Volume.	Default=50 Min. / Max : 0/100
	Mute	Select the Audio Mute (On/Off)	Default=Off
	AudioSource	Select Analog or Digital Audio	Default = Input Signal
	Exit	Exit the Sub-menu	Exit

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Main Menu	Sub-Menu	Description	Default
	Reset	Return to Factory Default	
	Menu Time	Adjust OSD Menu Time.	Default=10 Min. / Max : 10/60
	OSD V Position	Adjust OSD V. Position.	Default=50 Min. / Max : 0/100
Other	OSD H Position	Adjust OSD H. Position.	Default=50 Min. / Max : 0/100
	Language	Select OSD Language : **English**、**Deutsh**、**Franciais**、**Enpanol**、繁體中文、简体中文、 日本文	Default=English
	Transparency	OSD Menu Transparency	Default=0
	Rotate	OSD Menu Rotate 0、90、270	Default=0
	Exit	Exit the Sub-menu.	Exit

■ Specifications

Display	Size/Panel Type	15.6" TFLCD Panel
	Resolution	1920x1080
	Brightness (cd/m²)	1000cd/m²
	Contrast Ratio	1000:1
	Response Time	25ms
	Backlight	LED Backlight Unit
	Colors	16.7M Colors
	Viewing Angle (H/V)	178°/178°
Touch Screen	Touch Screen Type	PCAP 10 points Touchscreen, AG/AR/Anti-UV
	Surface Hardness	7H
Environment	Operating Temperature	-30°C~+85°C
	Storage Temperature	-30°C~+85°C
	Humidity	5%~95% RH(Non-Condensing)
	Waterproof Rating	IP66 Protection (SUS316 w/ Powder Coating, Black Color)
System	OSD	Menu, Auto, On/Off, Up, Down
	I/O Interface	VGA,DP,HDMI,USB,DC IN(DC Plug or Terminal Block)
	Power Input	DC9~36V Input
	Power Consumption	23.5W MAX.
	Mounting	Panel / VESA mounting 75*75/100*100mm
	Dimension/Weight	448mm (W) x 297mm (H) x 58mm (D) / 6.9kgs
	Compliance	FCC/CE/IP66 Certificates, RoHS Compliance

ACCESSORIES:

1. HDMI Cable x 1

2. USB Cable x 1

3. Panel Mounting Bracket x 6

4. Remote Controller x 1

4. Rubber Pieces (Listed as below chart)

Dimension / Hole#	Qty	Available wire/cable
Flat (no hole)	3	N/A
2mm / 1 hole	1	Mouse / DC power cable / USB cable / Audio
3mm / 1 hole	1	DC power cable / USB cable / Audio
4mm / 1 hole	1	Keyboard / USB extension cable / COM port
5mm / 1 hole	1	Network cable(CAT.5e) / VGA cable / HDMI cable
6mm / 1 hole	1	DVI cable / Network cable(CAT.6)
2mm / 2 holes	1	Mouse / DC power cable / USB cable / Audio
4mm / 2 holes	1	Keyboard / USB extension cable / COM port
5mm / 2 holes	1	Network cable(CAT.5e) / VGA cable / HDMI cable

■ Product Appearance

Light Sensor   IR Receiver

Brightness Control

*Brightness Control can only work while Light Sensor is disabled.

Display Drawing

Unit: mm