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# oje∩ie

# 28" 4K Monitor

LMV-28K

User Manual

Please read these instructions carefully before operating the unit and keep for further reference.

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# Safety Symbols & Precautions

### **Table of contents**

Safety Symbols & Precautions 2~4
Accessories5
Installation5
Controls & Functions 6
OSD setup under HDMI & DP input mode7~15
Care and Cleaning 16
Mounting Your MONITOR to the Wall16

### **Safety Symbols**

$\mathbb{N}$	<b>WARNING</b> Failure to abide by the information in a WARNING may result in serious injury and can be life threatening.
$\wedge$	<b>CAUTION</b> Failure to abide by the information in a CAUTION may result in moderate injury and/or property or product damage.
4	Alert electrical hazard.
$\otimes$	Indicates a prohibited action.
	Indicates to ground for safety.

This manual uses below safety symbols. They denote critical information. Please read them carefully.

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The design of this apparatus is safe to patient. We will try the best to assure the newest information be shown in this manual, but the information in this document is subject to change without prior notice.

### Precautions

To ensure personal safety and proper maintenance, please read this section and the caution statements on the unit.

# 

If the unit begins to emit smoke, smells like something is burning, or makes strange noises, disconnect all power connections immediately and contact your dealer for advice.

Attempting to use a malfunctioning unit may result in fire, electric shock, or equipment damage.

Do not open the cabinet or modify the unit.

 $\otimes$ 

Opening the cabinet or modifying the unit may result in fire, electric shock, or burn.

### Refer all servicing to qualified service personnel.

Do not attempt to service this product yourself as opening or removing covers may result in fire, electric shock, or equipment damage.

#### Keep small objects or liquids away from the unit.

Small objects accidentally falling through the ventilation slots into the cabinet or spillage into the cabinet may result in fire, electric shock, or equipment damage. If an object or liquid falls/spills into the cabinet, unplug the unit immediately. Have the unit checked by a qualified service engineer before using it again.



#### Set up the unit in an appropriate location.

Not doing so may result in fire, electric shock, or equipment damage.



- Do not place the unit outdoors.

- Do not install the unit in transportation systems (ship, aircraft, trains, automobiles, etc.)
- Do not place the unit in a dusty or humid environment.
- Do not place the unit in a location where the steam comes directly on the screen.
- Do not place the unit near heat generating devices or a humidifier.
- Do not place the unit in an inflammable gas environment.

To avoid danger of suffocation, keep the plastic packing bags away from babies and children.



Use the enclosed power cord and connect to the standard power outlet of your country.

Be sure to remain within the rated voltage of the power cord. Not doing so may result in fire or electric shock.

To disconnect the power cord, grasp the plug firmly and pull.

Tugging on the cord may damage and result in fire or electric shock.

The equipment must be connected to a grounded main outlet.

Not doing so may result in fire or electric shock.

#### Use the correct voltage.

- The unit is designed for use with a specific voltage only. Connection to another voltage than specified in this User's Manual may cause fire, electric shock, or equipment damage.
- Do not overload your power circuit, as this may result in fire or electric shock.

#### Handle the power cord with care.

- Do not put the power cord under the unit or other heavy object.



If the power cord is broken, stop to use it immediately. Using broken power cord may result in fire or electric shock.

Never touch the plug and power cord if it begins to thunder.

Touching them may result in electric shock.

Do not touch a damaged LCD panel directly with bare hands.

The liquid crystal that may leak from the panel is poisonous if it enters the eyes or mouth. If any part of the skin or body comes in direct contact with the panel, please wash thoroughly. If some physical symptoms result, please consult your doctor.

# 

Handle with care when carrying the unit.

Disconnect the power cord and signal cables and remove the optional unit. Moving the unit with the cord or the option attached is dangerous. It may result in injury.

When handling the unit, grip the bottom of the unit firmly with both hands ensuring the panel faces outward before lifting.

Dropping the unit may result in injury or equipment damage.

#### Do not block the ventilation slots on the cabinet.

Do not place any objects on the ventilation slots.

Do not install the unit in a closed space.

Do not use the unit laid down or upside down.

Blocking the ventilation slots prevents proper airflow and may result in fire, electric shock, or equipment damage.

#### Do not touch the plug with wet hands.

Doing so may result in electric shock.

Periodically clean the area around the plug.

Dust, water, or oil on the plug may result in fire.

Unplug the unit before cleaning it.

Cleaning the unit while it is plugged into a power outlet may result in electric shock.

If you plan to leave the unit unused for an extended period, disconnect the power cord from the wall socket after turning off the power switch for the safety and the power conservation.





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# Accessories

Please check the following listed accessories before installation:

AC cable	X1	HDMI cable	X1	User Manual
Adapter	X1	LCD Monitor	X1	

# Installation

1. Rear Interface



# **Explanation of connectors**

DC: power supply 12V 4A

**HDMI (1/2/3):** Lets you connect a device, such as a digital cable box, with an HDMI or a DVI output. HDMI (High Definition Multimedia Interface) Provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable. Since HDMI technology is based on Digital Visual Interface (DVI), the jack on the back of your MONITOR is also compatible with DVI devices. HDMI Input lets you connect a device, such as a digital cable box, with an HDMI output. HDMI1[2.0 & downwards]; HDMI2&3[1.4 & downwards]

**DP:** Connect a video output device with DP. Computer / Notebook.

AUDIO OUT: Connect external 3.5mm headphones or active speakers

# **Controls & Functions**

## Buttons on the lower-right part of the panel

You can use the side panel buttons in the lower right part of your monitor to operate many of the monitor's features.



1. <sup>(1)</sup> Turn on / off the monitor

X1

- **2.SOURCE**: Accesses the available video input signals (DP , HDMI1[2.0], HDMI2[1.4], HDMI3[1.4])
- **3.MENU:** Bring up the MONITOR main menu.
- **4.+:** Turn on the brightness. In the MONITOR menu system, adjusts menu controls.
- **5.** : Turn on the picture mode. In the MONITOR menu system, adjusts menu controls.
- 6. Indicator: In red when standby mode, in green when display.

# HOW to use buttons

Use the buttons on the right side control panel to adjust the OSD

- 1. To access the OSD Menu press 'MENU'.
- 2. Use the 'MENU' buttons to select the required menu item, then press the '+' or '-'button to select the Sub menu.
- 3. Continue to use the 'MENU' button to highlight the required field, then press '+' or '-' to adjust the Set.
- 4. Press the 'SOURCE' button to return to previous menu.
- 5. Press the 'SOURCE' button again to exit the OSD Menu completely.

OSD setup under HDMI & DP input mode

	HDMI2		Resolution:3840x2160@30Hz
	Input Source	DP	
	Brightness/Contrast	HDMI1[2.0]	
	Color Setting	<ul> <li>HDMI2[1.4]</li> </ul>	
	Picture Quality Setting	HDMI3[1.4]	
	Display		
	Audio		
Monu	Multi-Window		
Wenu	OSD		
	Other		
		Window1: InputSource: HDMI2	Window2: InputSource:
		Resolution: 3840x2160@30Hz Window3	Resolution:
		InputSource:	InputSource:
		Resolution:	Resolution:
	Input Source		
	input oouroor		
	The monitor will	automatically Dia	alow the channel that
Remark		automatically Disp	Slay the channel that
	with signal reed	in.	

	HDMI2		Resolution:3840x2160@30Hz
	Input Source	Brightness	80
	Brightness/Contrast	Contrast	50
	Color Setting	DCR	Off
	Picture Quality Setting		
	Display		
	Audio		
	Multi-Window		
Menu	OSD		
	Other		
		Window1:	Window2:
		Resolution: 3840x2160@30Hz	Resolution:
		Window3:	Window4:
		Resolution:	Resolution:
	Brightness/Con	trast	
	Drightness/00h		
	Brightness: Set	the image brightr	ness (0-100)
	Contrast: Set th	e image Contrast	(0-100)
	DCP. Sot the d	vnamic contract r	atio (on / off)
Domark	DCR: Set the o	iynamic contrast r	
Remain			

	HDMI2		Resolution:3840x2160@30Hz
	Input Source	Gamma	2.2
	Brightness/Contrast	Picture Mode	Standard
	Color Setting	Color Temperature	Warm
	Picture Quality Setting	Hue	50
	Display	Saturation	50
	Audio	Low Blue Light	0
	Multi-Window		
Menu	OSD		
	Other		
		Window1: InputSource: HDMl2 Resolution: 3840x2160@30Hz Window3: InputSource: Resolution:	Window2: InputSource: Resolution: Window4: InputSource: Resolution:
Remark	Color Set: Gamma: Set the (1.8 Picture Mode: S (Star Color Temperat (No Hue: Set the im Saturation: Set Low Blue Light:	e image gamma 5, 2.0, 2.2, 2.4, 2.6 Set the image mod ndard, photo, mov ure: Set the color rmal, warm, cool, age hue (0-100) the image Satura Set the low blue li	) e rie, game) temperature user) tion(0-100) ight(0-100)

	HDMI2		Resolution:3840x2160@30Hz	
	Input Source	Sharpness	50	
	Brightness/Contrast	Response Time	Off	
	Color Setting	Noise Reduction	Off	
	Picture Quality Setting	Super Reduction	Off	
	Display	Dynamic Luminous Contro	Off	
	Audio			
	Multi-Window			
Menu	OSD			
Meria	Other			
		Window1:	Window2:	
		InputSource: HDMI2	InputSource:	
		Window3:	Window4:	
		InputSource:	InputSource:	
		Resolution:	Resolution:	
	Picture Quality	Set:		
	Sharphoes: Sot t	ha nictura charnn	2000 (0.100)	
		Ost the sharping		
	Response Time:	Set the picture res	sponse time	
		(off, high, middle,	low)	
<b>_</b> .	Noise Reduction: Set the picture noise reduction			
Remark		(off high middle	low)	
	Super Recolution	Sot the nicture of	upor resolution	
	Super Resolution	i. Set the picture s		
		(off, high, middle,	low)	
	Dynamic Lumino	us Control: Set the	e picture dynamic	
	,	lumin	ous (on / off)	
		i anni		

			Booolution:2040v2460@20Hz
	Input Source	Acpost Patio	N/ide Screen
	Prightnoss/Contrast		
	Color Sotting		
	Disture Quality Setting		
	Picture Quality Setting		
	Display		
	Audio		
Menu	OSD		
	Other		
			Window?:
		InputSource: HDMI2	InputSource:
		Resolution: 3840x2160@30Hz Window3:	Resolution: Window4:
		InputSource:	InputSource:
		Resolution:	Resolution:
Remark	<b>Display:</b> Aspect Ratio: S (	creen aspect ratio wide screen, 4:3, 1	Set :1, auto)

	HDMI2		Resolution:3840x2160@30Hz
	Input Source	_ Mute	_ <u>Off</u>
	Brightness/Contrast	Volume	50
	Color Setting		
	Picture Quality Setting		
	Display		
	Audio		
	Multi-Window		
Menu	OSD		
monta	Other		-
		Window1:	Window2:
		InputSource: HDMI2 Resolution: 3840x2160@30Hz	InputSource: Resolution:
		Window3:	Window4:
		InputSource: Resolution:	InputSource: Resolution:
	Audio:		
	Mute: Mute the	audio output to the	e earphone ( on / off)
	Volume: Set the	audio output volu	me to the earphone
	(0-100)		
	()	·	
Remark			
Kemark			

	HDMI2		Resolution:3840x2160@30Hz
	Input Source	Multi-Window	Off
	Brightness/Contrast	Sub Win2 Input	HDMI2[1.4]
	Color Setting	Sub Win3 Input	HDMI3[1.4]
	Picture Quality Setting	Sub Win4 Input	DP
	Display	PIP Size	Medium
	Audio	PIP Position	TopRight
	Multi-Window	Swap	
Menu	OSD		
monia	Other	_	
		Window1:	Window2:
		Resolution: 3840x2160@30Hz	Resolution:
		Window3:	Window4:
		InputSource: Resolution:	InputSource: Resolution:
	Multi-Window	:	
	Multi-Window: S	Set the screen mul	ti-window
	(1	off, PIP mode, PE	3P 2win,
	Out Min O have t		
Dowowle	Sub win2 input:	Set the sub win2	Input
Remark		(HDMI2[1.4])	
	Sub Win3 Input:	Set the sub win3	input (HDMI3[1.4])
	Sub Win4 Input:	Set the sub win4	DP
	PIP Size: Set the	e PIP picture size	
	( small	. medium. large)	
	PIP Position: Se	t the PIP sub wind	dow position
	ton ria	ht ton left hottom	right bottom left)
	Cup Ig		the the cub window
	Swap: Switch th	e main window Wi	In the SUD WINDOW

	HDMI2		Resolution:3840x2160@30Hz		
	Input Source	Language	English		
	Brightness/Contrast	OSD H-Position	50		
	Color Setting	OSD V-Position	50		
	Picture Quality Setting	OSD Transparency	20		
	Display	OSD Time Out	20		
	Audio	OSD Rotation	Normal		
	Multi-Window	-			
Menu	OSD				
monia	Other				
		-			
		Window1:	Window2:		
		Resolution: 3840x2160@30Hz	Resolution:		
		Window3:	Window4:		
		Resolution:	Resolution:		
	OSD:	OSD:			
		languaga coloctio	n		
	Language. 000	ianyuaye selectio			
	(Engi	(English, Chillese, Kolean, Kussian,			
	Spanish, Japanese, French)				
	OSD H-Position: Change OSD horizontal position				
Remark		adjustment (0-10	0)		
Kemark	OSD V-Position:	Change OSD ver	tical position		
		adjustment (0-1	00)		
		ncv: OSD transpar	ency adjustment		
		(0 100)			
		(001-0) Double standard (000-00)	time a selection		
	USD TIMe Out: 0	USD display dwell	ume selection		
		(0-100 seconds)			
	OSD Rotation: C	SD rotation adjus	tment		
	(Normal, 90, 180, 270)				

1			
	HDMI2		Resolution:3840x2160@30Hz
	Input Source	Reset	
	Brightness/Contrast		
	Color Setting		
	Picture Quality Setting		
	Display		
	Audio		
	Multi-Window		
Menu	OSD		
	Other		
		Window1:	Window2:
		InputSource: HDMI2 Resolution: 3840x2160@30Hz	InputSource: Resolution:
		Window3:	Window4:
		Resolution:	Resolution:
	Other:		
	Reset: Reset th	e monitor to defau	It factory setting.

# **Care and Cleaning**

CAUTION: Turn off your MONITOR before cleaning.

You can clean the MONITOR as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The Monitor's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the Monitor. Also, never place drinks or vases with water on top of the monitor. This could increase the risk of fire or shock hazard or damage to the monitor.

### Mounting Your MONITOR to the Wall

Caution: The wall mount must bear a minimum of five times The monitor's net weight without causing damage. To mount your MONITOR to the wall you need to purchase a VESA wall mount. For models 15inch. 17inch . 19inch.20inch, purchase a VESA 100 x 100, KM4x 8mm (100 x 100, for example, means the mounting measurements are 100mm horizontally and 100mm vertically; M4 x 8 mm is the type screw that needs to be used).

- 1. You need to remove the base first before attaching the wall mount.
- A. Place the MONITOR face down on a surface that is soft, yet strong enough to hold the MONITOR.
- B. Use a screwdriver to remove the screws from the four holes on each side of the bottom of the Monitor's base (only use with base)
- 2. Make sure all cables are already connected to the MONITOR.

3. Follow the directions included with the wall mount to mount the monitor to the wall.

---END----