



## User Guide

GD-ML-DP4340UHD

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## **1. Important Safety Instructions**

Make sure that you only use the power adapter that is specified in the specifications sheet of the product. If you use any other adapter or connect the power supply incorrectly, this may cause explosion, fire, electric shocks or damage the product. Do not connect several devices to one power adapter as this may cause an adapter overload and can lead to over-heating and fire. Make sure that the plug of the power adapter is firmly connected to the power socket.

Do not place containers with liquids on the product. Do not place conducting items like tools, screws, coins or other metal items on the product. These may fall from the product or can cause fire or electric shocks or other physical injuries.

Do not push or insert any sharp items or any objects into the device as this may cause damage to the product, fire, electric shocks and/or physical injuries.

Do not block any ventilation openings, if there are any. Ensure that the product is well ventilated to prevent any over-heating.

Do not subject the device to physical shock or drop the product. If the product uses batteries, please use a battery type that is recommended by the manufacturer. Improper use or replacement of the battery may result in the hazard of explosion.

Do not use any accessories that are not recommended by GRUNDIG. Do not modify the product in any way.

If the product starts to smell or smoke comes out of the device, immediately stop using the product and disconnect it from the power supply to prevent fire or electric shocks. Then contact your dealer or the nearest service center.

If the product does not work correctly, contact your dealer or nearest service center. Never open, disassemble or alter the product yourself. GRUNDIG cannot accept any liability or responsibility for problems caused by attempted and unauthorized repair and maintenance.

## **2. Installation Instructions**

It is necessary to fix the device firmly if the product is installed on a wall or ceiling.

Do not install the product near radiation sources. Do not install the product near heat sources, like radiators or other equipment that produces some heat.

Do not install the product in very cold or hot temperatures (please refer to the working temperature specified in the specification sheet of the product), dusty, dirty or damp environment.

Never touch the screen directly with your fingers. The acidic sweat of the fingers may be difficult to remove and you may damage the screen.

Do not touch the surface of the screen with sharp or abrasive items (like pens or screwdrivers), as this could scratch the display.

The monitor is only for indoor use. Please do not install it in an environment where it is exposed to oil, vapor, steam, moisture and dust, but in a clean environment with low humidity.

Do not apply any pressure to the monitor screen as the screen may break.

Do not install the monitor in a location that is exposed to direct sunlight, dust, mechanical vibration or shock.

Always place the monitor on a flat surface.

Connect the power supply to the socket and plug the video cable or HDMI/VGA cable to the desired signal source.

Disconnect the power plug from the power outlet under following conditions:

- If you will not use it for an indefinite period of time.
- When the power cord or plug is damaged or frayed.
- If the product has been dropped or the cabinet has been damaged.
- If the product exhibits a distinct change in performance, this indicates a need for service.

To clean the monitor's plastic case and display, a soft, lint-free cloth can be used. Do not use any cleaning materials with abrasive surfaces like scrub pads to clean your monitor.

To clean the display, a slightly damp cloth may be used to clean off fingerprints or smudges. Please unplug the monitor first before attempting cleaning with a damp cloth.

To clean the plastic case, a mild detergent may be used to clean the surface. But please do not use too much detergent or water as this could

leak into the interior of the monitor. Please unplug the monitor first before attempting cleaning with a detergent or water.

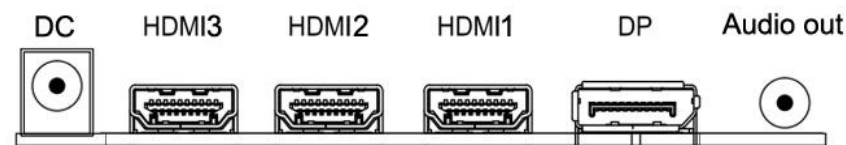
Do NOT use any liquid cleaners based on alcohol, methylated spirit or ammonia or aerosol cleaners, as this may damage any coating present on the glass surface of the monitor. Use only mild soap or detergent with water or special cleaners for cleaning glass panels Accessories

### 3 Package content

Please check the following listed accessories before installation:  
1x AC cable, 1x HDMI cable, 1x User Manual, 1x Remote Controller, 1x LCD Monitor

### 4 Connections

#### Rear Interface



**DC:** power supply 12V 5A

**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]

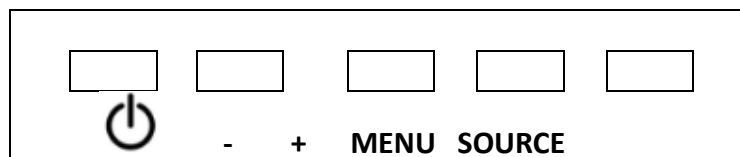
**DP:** Connect a video output device with DP. Computer / Notebook.

**AUDIO OUT:** Connect external 3.5mm headphones or active speakers

## 5 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. Turn on / off the monitor
2. **SOURCE:** Accesses the available video input signals (DP, HDMI1[2.0], HDMI2[1.4], HDMI3[1.4])
3. **MENU:** Open 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.

## 6 Remote control (OPTIONAL)



POWER	Turn on & off the monitor
MENU	Display or exit the main menu
VIDEO/UP	VIDEO Source switching / Cursor up when OSD
MODE/DWO	MODE no effect / Cursor down when OSD
LEFT	Enter the sub-menu to reduce the value
RIGHT	Enter the sub-menu to increase the value

## 7 OSD setup

OSD setup under HDMI & DP input mode

Menu	<b>HDMI2</b> Resolution:3840x2160@30Hz		
	Input Source	DP	
	Brightness/Contrast	HDMI1[2.0]	
	Color Setting	● HDMI2[1.4]	
	Picture Quality Setting	HDMI3[1.4]	
	Display		
	Audio		
	Multi-Window		
	OSD		
	Other		
		<b>Window1:</b> InputSource: HDMI2 Resolution: 3840x2160@30Hz <b>Window3:</b> InputSource: Resolution:	<b>Window2:</b> InputSource: Resolution: <b>Window4:</b> InputSource: Resolution:
Remark	<b>Input Source:</b> The monitor will automatically Display the channel that with signal feed in.		

Menu	<b>HDMI2</b> Resolution:3840x2160@30Hz		
	Input Source	Brightness	80
	<b>Brightness/Contrast</b>	Contrast	50
	Color Setting	DCR	Off
	Picture Quality Setting		
	Display		
	Audio		
	Multi-Window		
	OSD		
	Other		
Remark	<b>Window1:</b> InputSource: HDMI2 Resolution: 3840x2160@30Hz <b>Window3:</b> InputSource: Resolution:		
	<b>Window2:</b> InputSource: Resolution: <b>Window4:</b> InputSource: Resolution:		

### Brightness/Contrast:

Brightness: Set the image brightness (0-100)  
 Contrast: Set the image Contrast (0-100)  
 DCR: Set the dynamic contrast ratio (on / off)

Menu	<b>HDMI2</b>			<b>Resolution:3840x2160@30Hz</b>		
	Input Source		Gamma		2.2	
	Brightness/Contrast		Picture Mode		Standard	
	<b>Color Setting</b>		Color Temperature		Warm	
	Picture Quality Setting		Hue		50	
	Display		Saturation		50	
	Audio		Low Blue Light		0	
	Multi-Window					
	OSD					
	Other					
			<b>Window1:</b> InputSource: HDMI2 Resolution: 3840x2160@30Hz		<b>Window2:</b> InputSource: Resolution:	
			<b>Window3:</b> InputSource: Resolution:		<b>Window4:</b> InputSource: Resolution:	
Remark	<b>Color Set:</b>					
	Gamma: Set the image gamma (1.8, 2.0, 2.2, 2.4, 2.6)					
	Picture Mode: Set the image mode (Standard, photo, movie, game)					
	Color Temperature: Set the color temperature (Normal, warm, cool, user)					
	Hue: Set the image hue (0-100)					
	Saturation: Set the image Saturation (0-100)					
	Low Blue Light: Set the low blue light (0-100)					

Menu	<b>HDMI2</b>			<b>Resolution:3840x2160@30Hz</b>		
	Input Source		Sharpness		50	
	Brightness/Contrast		Response Time		Off	
	Color Setting		Noise Reduction		Off	
	<b>Picture Quality Setting</b>		Super Reduction		Off	
	Display		Dynamic Luminous Contro		Off	
	Audio					
	Multi-Window					
	OSD					
	Other					
			<b>Window1:</b> InputSource: HDMI2 Resolution: 3840x2160@30Hz		<b>Window2:</b> InputSource: Resolution:	
		<b>Window3:</b> InputSource: Resolution:		<b>Window4:</b> InputSource: Resolution:		
Remark	<b>Picture Quality Set:</b>					
	Sharpness: Set the picture sharpness (0-100)					
	Response Time: Set the picture response time (off, high, middle, low)					
	Noise Reduction: Set the picture noise reduction (off, high, middle, low)					
	Super Resolution: Set the picture super resolution (off, high, middle, low)					
	Dynamic Luminous Control: Set the picture dynamic luminous (on / off)					

Menu	<b>HDMI2</b>			<b>Resolution:3840x2160@30Hz</b>		
	Input Source		Aspect Ratio		Wide Screen	
	Brightness/Contrast					
	Color Setting					
	Picture Quality Setting					
	<b>Display</b>					
	Audio					
	Multi-Window					
	OSD					
	Other					
			<b>Window1:</b> InputSource: HDMI2 Resolution: 3840x2160@30Hz <b>Window3:</b> InputSource: Resolution:		<b>Window2:</b> InputSource: Resolution: <b>Window4:</b> InputSource: Resolution:	
	Remark	<b>Display:</b>				
Aspect Ratio: Screen aspect ratio Set (wide screen, 4:3, 1:1, auto)						

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

<b>Menu</b>	<b>HDMI2 Resolution:3840x2160@30Hz</b>		
	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
	<b>Multi-Window</b>	Swap	
	OSD		
	Other		
<b>Remark</b>	<b>Multi-Window: (OPTIONAL)</b>		
	Multi-Window: Set the screen multi-window (Off, PIP mode, PBP 2win, PBP 3Win, PBP 4Win)		
	Sub Win2 Input: Set the sub win2 input (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 PIP picture size (small, medium, large)		
	PIP Position: Set the PIP sub window position (top right, top left, bottom right, bottom left)		
	Swap: Switch the main window with the sub window		

<b>Menu</b>	<b>HDMI2 Resolution:3840x2160@30Hz</b>		
	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		
	<b>OSD</b>		
	Other		
<b>Remark</b>	<b>OSD:</b>		
	Language: OSD language selection (English, Chinese, Korean, Russian, Spanish, Japanese, French)		
	OSD H-Position: Change OSD horizontal position adjustment (0-100)		
	OSD V-Position: Change OSD vertical position adjustment (0-100)		
	OSD Transparency: OSD transparency adjustment (0-100)		
	OSD Time Out: OSD display dwell time selection (0-100 seconds)		
	OSD Rotation: OSD rotation adjustment (Normal, 90, 180, 270)		



<b>Menu</b>	<div> <div>HDMI2Resolution:3840x2160@30Hz</div> <div> <div>Input SourceReset</div> <div>Brightness/Contrast</div> <div>Color Setting</div> <div>Picture Quality Setting</div> <div>Display</div> <div>Audio</div> <div>Multi-Window</div> <div>OSD</div> <div>Other</div> </div> <div> <div>Window1: InputSource: HDMI2 Resolution: 3840x2160@30Hz</div> <div>Window2: InputSource: Resolution:</div> <div>Window3: InputSource: Resolution:</div> <div>Window4: InputSource: Resolution:</div> </div> </div>		
<b>Remark</b>	<b>Other:</b>  Reset: Reset the monitor to default factory setting.		

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.

## 9 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. Purchase a VESA 400 x 400, KM4x 8mm (400 x 400, for example, means the mounting measurements are 400mm horizontally and 400mm 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.

## 8 Care and Cleaning

**CAUTION:** Turn off your MONITOR before cleaning.