



28" 4K LED monitor



User Manual

M284K



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SAFETY INFORMATION

- Read these instructions – All the safety and operating instructions should be read before this product is operated.
- Keep these instructions – The safety and operating instructions should be retained for future reference.
- Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
- Follow all instructions – All operating and usage instructions should be followed.
- Do not use this equipment near water – The appliance should not be used near water or moisture e.g. in a wet basement or near a swimming pool.
- Clean only with a dry cloth. Do not use solvents or petroleum based fluids.
- Do not block any ventilation openings.
- Do not install near any heat sources such as radiators, stoves or other apparatus (including amplifiers) that produce heat.
- Do not tamper with the supplied plug. This plug is a BS1363 standard plug.
- Protect the power cord from being walked on or pinched, particularly at the plug and at the point where they exit from the appliance.
- Only use attachments/accessories specified by the Speco Technologies.
- Use only with a cart, stand, tripod, bracket or table specified by the Speco Technologies or sold with the apparatus. When a cart or stand is used, use caution when moving it to avoid any injuries or damage from it tipping over.
- Unplug the apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus or it has been exposed to rain or moisture, it does not operate normally or has been dropped.
- Please keep the unit in a well-ventilated environment.
- The monitor should only be connected to a main power supply as rated on the back of the equipment.
- To prevent overload, do not share the same power supply socket with too many other electronic components.
- Do not place any connecting wires where they may be stepped on or tripped over.
- Do not place heavy items on the cable as this may cause damage.
- Hold the main plug, not the wires, when removing from a socket.
- Pull the plug out immediately and seek professional help if the main plug or cable is damaged, liquid has spilt onto the set, if accidentally exposed to water or moisture, if anything accidentally penetrates the ventilation slots or if the set does not work normally.

- Do not remove the safety covers. There are no user serviceable parts inside. Trying to service the unit yourself is dangerous and may invalidate the product’s warranty. Only qualified personnel should service this apparatus.
- To avoid battery leakage, remove exhausted batteries from the remote control when not in use for a long period.
- Do not block ventilation slots on the back cover. The monitor can be placed in a cabinet but ensure at least 5cm (2”) clearance all around. ·Do not tap or shake the screen, this may damage internal components.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on the apparatus.
- **WARNING:** The wall plug socket is used as a disconnection device and should remain readily accessible.
- **WARNING:** The batteries shall not be exposed to excessive heat such as direct sunlight or fire. ·

 <p>This warning sign is to warn of dangerous voltage inside the product.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center; margin-bottom: 10px;"> CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN </div> <p>CAUTION: To reduce the risk of electric shock, DO NOT remove the cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.</p>	 <p>This warning sign is to alert you of important instructions accompanying the product.</p>
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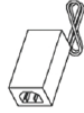


AT FULL VOLUME, PROLONGED LISTENING MAY DAMAGE THE USER’S HEARING.

WHAT'S INCLUDED



User manual



Power supply

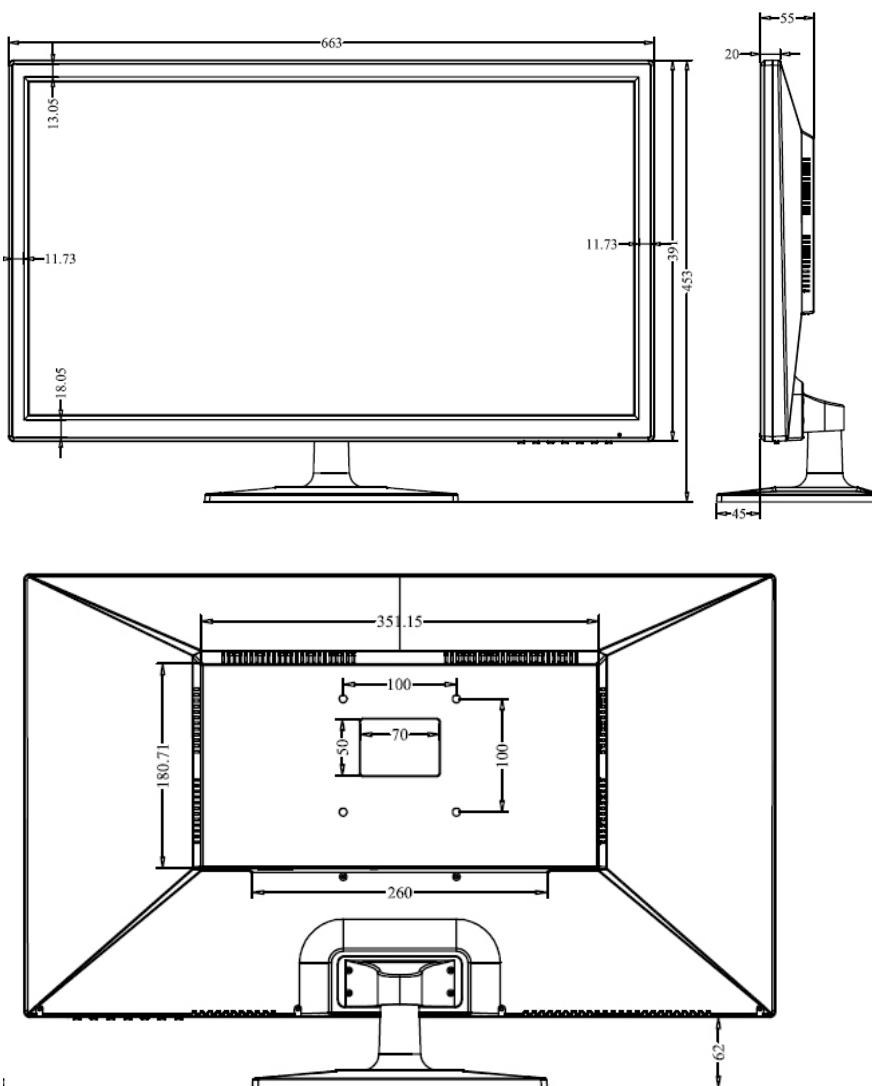


Power cable



HDMI

Monitor with dimension details :



Way of a liquid crystal display background / audio output

1.DC input port: this port power cord

It will be used to supply the power ;

2. HDMI 1 port: This port is HDMI 2.0

It will be used to connect a compatible device. Support HDMI 1.4 & 2.0 ;

3. HDMI 2 port: This port is HDMI 2.0

It will be used to connect a compatible device. Support HDMI 1.4 & 2.0 ;

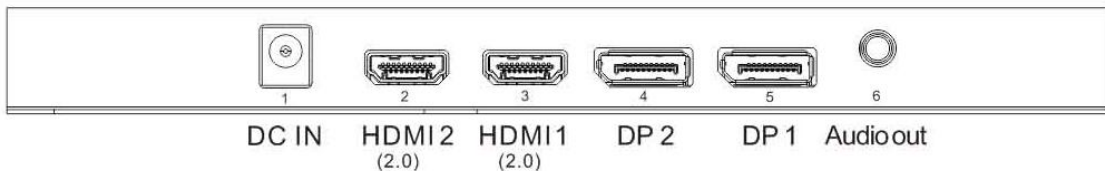
4. DP 1 This port Display Port 1.2

It will be used to connect a compatible device.

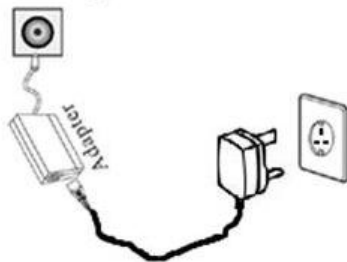
5. DP 2 This port Display Port 1.2

It will be used to connect a compatible device.

6. Audio output port



1 Power Plug



2 HDMI Port

Connect the monitor to any device with an HDMI output

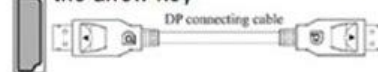


3 HDMI Port



4 DP Port

Remove the cable by pressing the arrow key



5 DP Port



6 Audio output

Connect headphones or external speakers to the monitor.

1. **SOURCE** : Press this button to select the source or exit menu.
2. **MENU** : To enter menu setting page.
3. ◀ Press this button to move left to select the OSD setting.
4. ▶ Press this button to move right to select the OSD setting
5. ▲ Press this button to move up to select the OSD setting
6. ▼ Press this button to move down to select the OSD setting
7. **POWER**: To turn ON/OFF the monitor

WALL MOUNTING

- The monitor is provided with mounting holes for a VESA approved wall mounting bracket (not supplied)
- The VESA mounting pattern is:100x100mm and the size of the screws is 4 x M6 x 10 (not supplied)
- Do not use screws longer than specified or damage will occur to the internal components.

NOTE: As the monitor is considered heavy, please consult with a professional wall mount installer to perform the installation.

GETTING STARTED

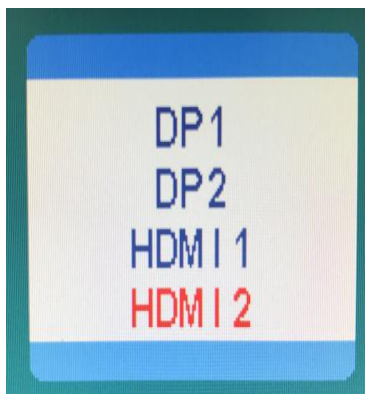
BUTTON FUNCTIONS

SETTINGS

INITIAL SETUP

Connect the monitor to a power outlet.

1. Press the POWER button on the monitor or to turn it on(the indicator will be lit blue)
2. Connect the relevant cable to the corresponding source on the monitor. The input should be automatically detected.
3. Press the " Source" button to bring up the source menu. Use the "▼" "▲" to choose the preferred input source.



Select from:

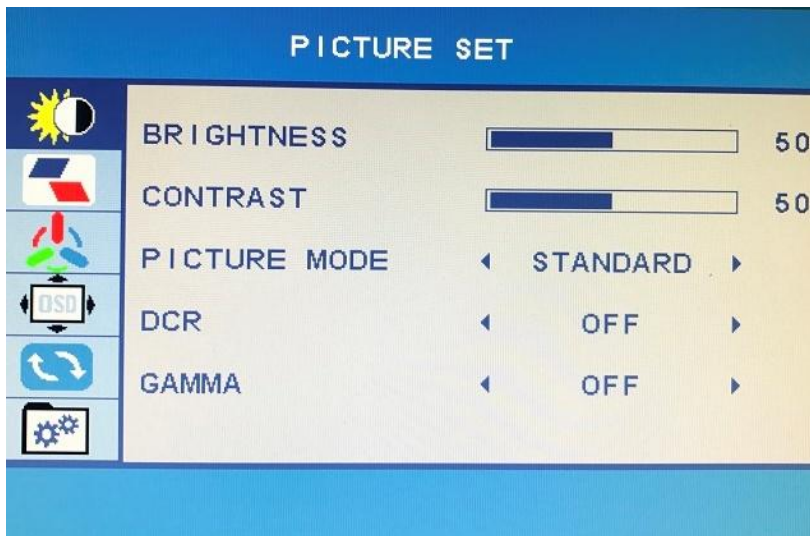
DP1

DP2

HDMI 1

HDMI 2

PICTURE SET



BRIGHTNESS

It allows the change of image brightness, according to ambient light. Value "0-100"

Contrast

It allows the change of contrast between white and black areas of the image.
Value "0-100"

PICTURE MODE

It allows the change of the image settings among the following: "SRGB –ENERGY SAVE-
STANDARD-TEXT-MOVIE-GAME".

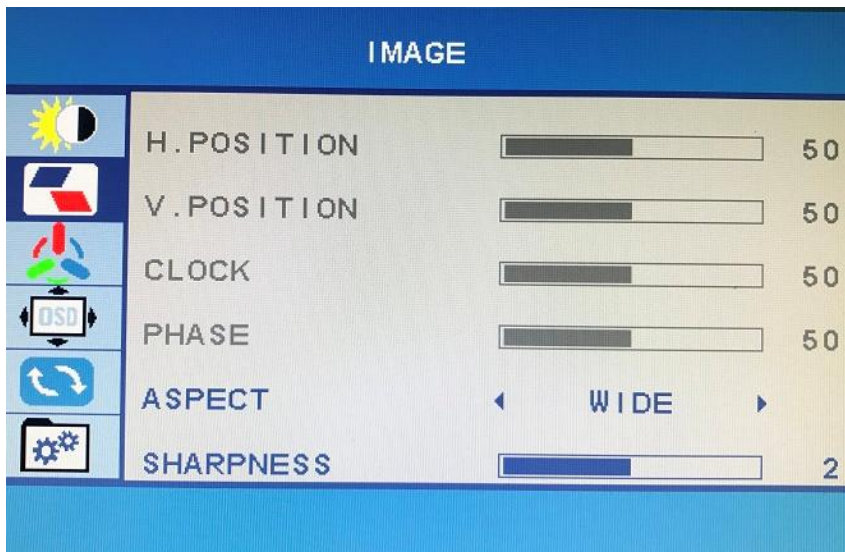
DCR

It allows the change of the dynamic contrast of the picture "ON, OFF"

GAMMA

It allows to change the GAMMA value "OFF, 1.8, 2.0, 2.2, 2.4".

IMAGE



H. POSITION

It allows to change horizontal position of the display image. Press "3" and "4" buttons to horizontally move the image.

V. POSITION

It allows to change vertical position of the display image. Press "3" and "4" buttons to vertically move the image.

CLOCK

It allows to change CLOCK setting. Value "0-100"

PHASE

It allows to reduce video distortion and instability components.

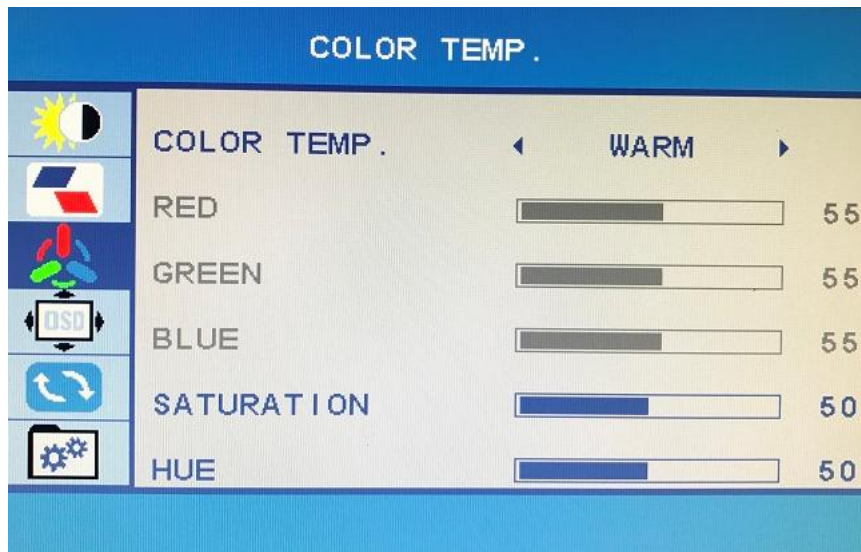
SCALE

It allows to change the video format of the images among " WIDE, 4:3 ".

SHARPNESS

It allows to optimize image sharpness parameters according to ambient light "0, 1, 2, 3, 4 "

COLOR TEMP.



COLOR TEMP.

It allows to change the color settings among the following: "Warm – Cool – User", in "User" option, you can select "Red : 0-100, Green: 0-100, Blue : 0-100".

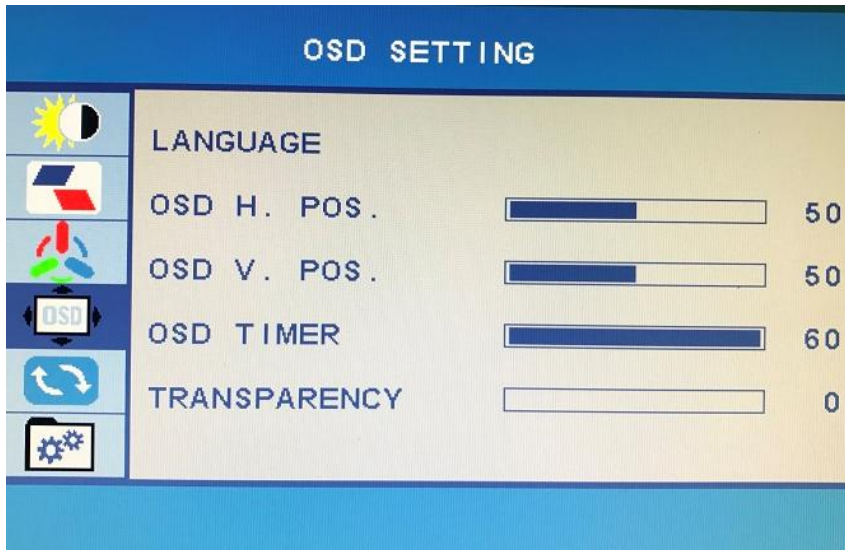
SATURATION

It allows to change colors of the image

HUE

Only used in NTSC system.

OSD SETTING



LANGUAGE

It allows to select the desired language: "ENGLISH, FRENCH, TURKCE, ITALIANO, ESPANOL, PORTUGUES, CHINESE, NEDERLANDS, JAPANESE, DEUTSCH, POLSKI".

OSD H. POS

It allows to change the horizontal position of the OSD

OSD V. POS

It allows to change the vertical position of the OSD

OSD TIMER

It allows to set up the duration of the OSD, value "0-100".

TRANSPARENCY

It allows to set up the transparency of the OSD, value "0-100".

RESET

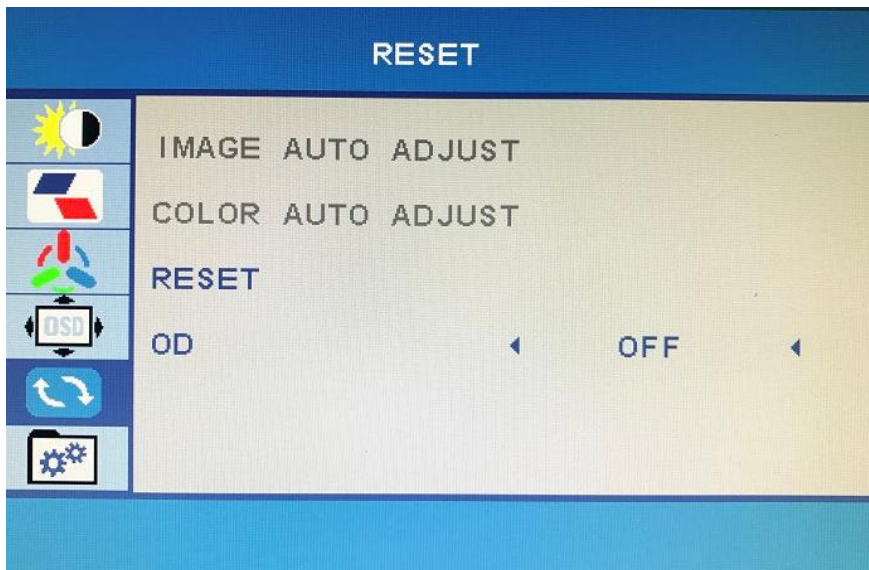


IMAGE AUTO ADJUST

It allows to auto adjust the image.

COLOR AUTO ADJUST

It allows to auto adjust the image color.

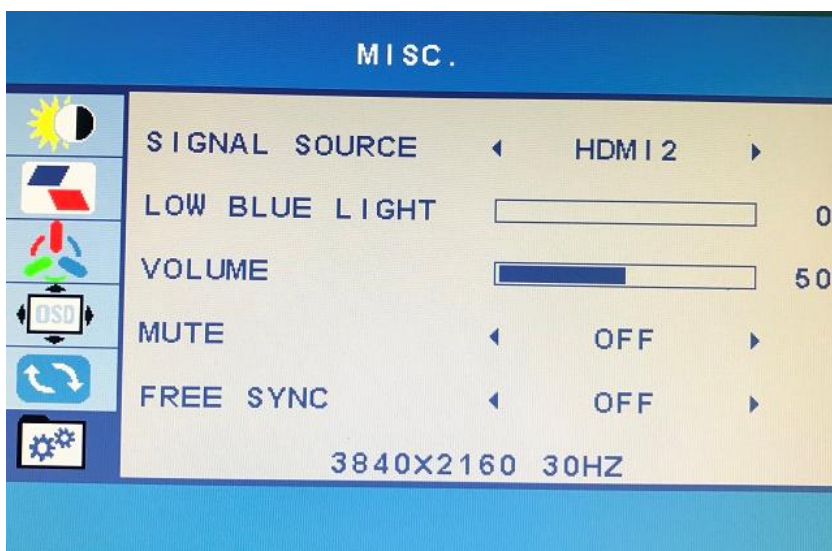
RESET

It allows to set up to the factory default.

OD

OD is Over driving and it allows to set up the image overdriving.

MISC.



SIGNAL SOURCE

It allows to choose the signal source of the display “ HDMI1, HDMI2, DP1, DP2, AUTO”.

LOW BLUE LIGHT

It allows to choose the low blue effect of the display, value : 0-25-50-75-100.

VOLUME

It allows to change the volume of the monitor from “ 0-100”.

MUTE

It allows to set up the volume on or off.

FREE SYNC

It allows to set up the free sync effect on or off to ensure the image display effect.

TROUBLESHOTING

Problem	Solution
No power	Insert the power plug securely into the power outlet.
No picture	Ensure that the equipment is connected properly.
	Ensure the correct input is selected.
	DVI Input will only support a max resolution of 1920x1080 and fixed refresh of 60Hz. Make sure your display settings correspond to this.
Buttons on the monitor don't do anything	Disconnect the power plug and then reconnect it. (The unit may not be operating properly due to lightning, static, or other factors.)
Noise or other interference	Electronic equipment near the unit may be causing interference. Relocate the unit or move the equipment.

M284K	
Panel Type	28" (16:9) LED Backlit Monitor
Case Type	Plastic
Best Resolution	3840(H) x 2160(V) @ 60 Hz
Active Display Area	648.9 (H) X 369.3 (V)
Pixel Pitch	0.16 (H) x 0.16 (V)
Contrast Ratio	3000:1 Typical
Brightness	280 cd/m ²
Response Time	5ms(G2G)
Viewing Angle	U/D: 85° / 85°, L /R: 80° / 80°
Display Colors	1.073G
PC Compatible Frequency	30-145KHz(H) / 50-130Hz(V)
Adjustable Color Temperature	WARM/ COOL /USER
Video Compatibility	Multi-Standard for NTSC / PAL
Aspect Ratio	16: 9
Speaker Multimedia Speakers	Right x 1 Left x 1, 2X5W
Sound Demodulation	Stereo. Audio
Mute	Yes
Operating Humidity	20 % - 70 %
Operating Temperature	- 10 to 50 °C
IN/OUT INTERFACE	
Video Interface	HDMI 2.0 x 2, DP 1.2 x 2
Audio Interface	Audio Out x 1,
Safety & EMC Certification	CE / FCC / ROHS
Stand Type	Desktop
Button Position	Right Hand Side
POWER Voltage	AC90-130V 57-63Hz
Power Consumption	Typical 40W