HYUNDAI
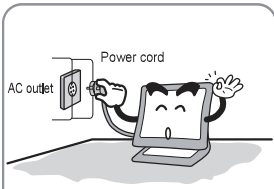
27" UHD Wide LED Monitor
User Manual

⚠ **Warning** : The following information will help you avoid the risk of electric shock, serious injury or death.

Power cord
AC outlet

Plug the power cord into a properly grounded outlet. There is the risk of electric shock.

If you hear a noise or smell smoke from the computer or adaptor, unplug the power cord immediately, and call the service center. There is the risk of electric shock or fire.
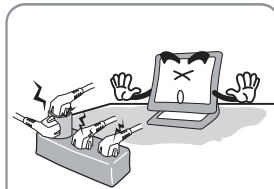
Do not overload an electrical outlet with too many devices. There is the risk of fire.

Do not unplug from the outlet by pulling the power cord or when your hands are wet. There is the risk of electric shock or fire.

Do not bend the power cord excessively nor place heavy objects on it. Keep children and pets away from the power cord as they may damage the power cord. There is the risk of electric shock or fire.
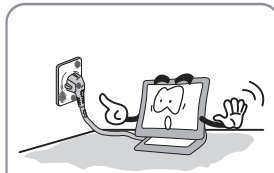
Do not use a damaged power cord or plug. Make sure the plug fits snugly into the outlet. There is the risk of electric shock or fire.
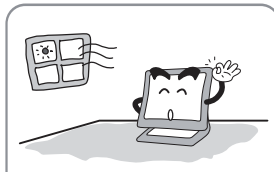
Do not expose the monitor to the direct sun light.

Keep the monitor away from high temperature, humidity, and dust.
■ Operating environment =10~40degrees Celsius
■ Operating environment =20~80relative humidity.

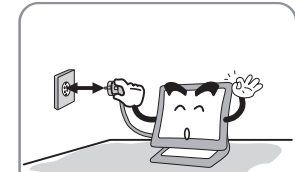Do not block the fan louvers. There is the risk of fire or damage to the monitor.

The socket - outlet shall be installed near the equipment and shall be easily accessible.

Do not allow any object or liquid to enter inside the monitor. There is the risk of electric shock, fire or damage to the monitor.

Do not attempt to disassemble, fix or modify the monitor. There is the risk of electric shock or fire.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

⚠ **Caution** : The following information will help you avoid the risk of minor or moderate injury or damage to the monitor.

Use a proper voltage/current level indicated
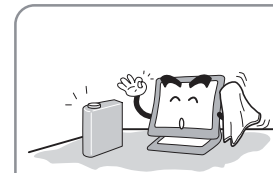
Do not clean the LCD with abrasive chemicals. There is the risk of damage to the LCD.
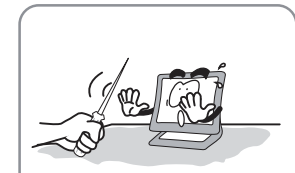
Do not scratch and damage the LCD with sharp objects.

Keep the monitor away from objects and electrical appliances that may generate electromagnetic fields.

Help

Place the monitor on a flat, stable surface. The monitor may fall and there is the risk of damage or injury.

Unplug the power cord when the monitor is not in use for a long period of time.

LCD Monitor

Stand

After assemble pedestal at stand body, assemble screw to driver.

Power Cord

Adapter

Display port Cable

Install CD / Quick Guide

Setting up the LCD monitor

① ② ③ ④ ⑤ ⑥

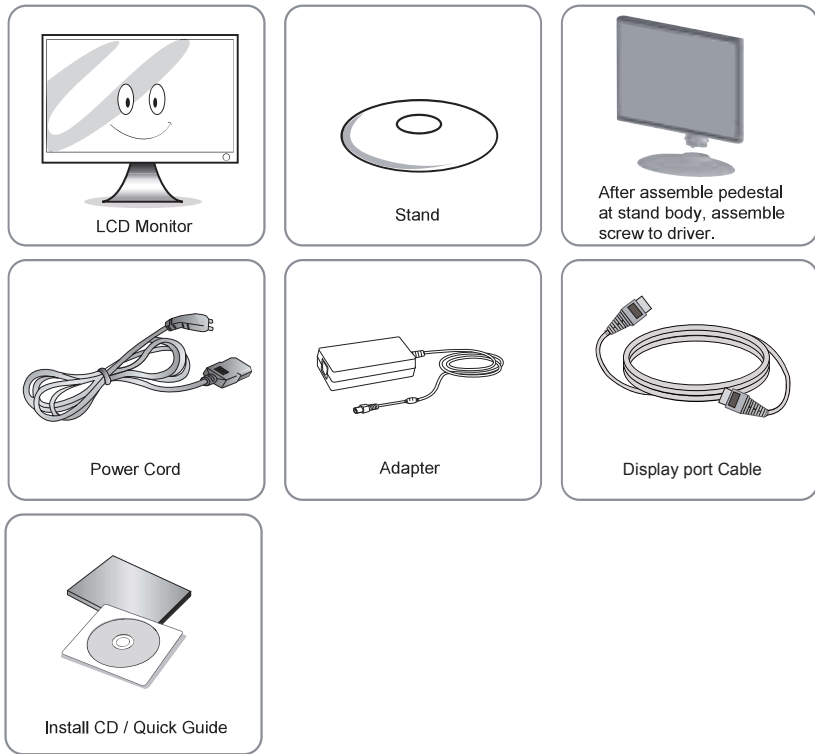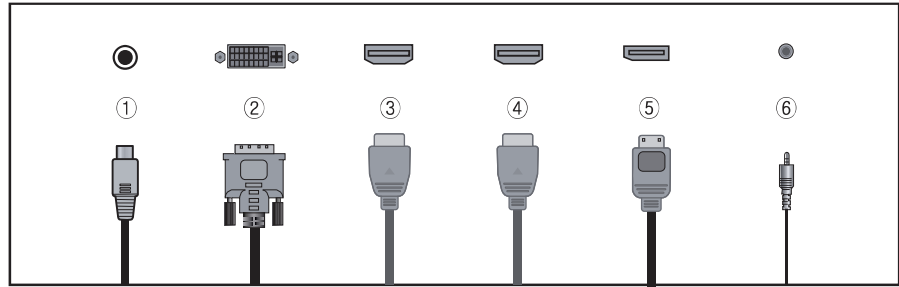| No.	Name	Cable connections
1	Power	Adapter Jack
2	DVI	Dual link DVI Cable
3	HDMI2(MHL)	HDMI Cable 1.4
4	HDMI1	HDMI Cable 2.0
5	Display Port	DP Cable
6	Headphone out	

Plug & Play

The adoption of the new VESA Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system without the usual hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the PC system can automatically configure itself to use the flat panel display.

Warm-up Time

All LCD monitors need time to become thermally stable whenever you turn on the monitor after letting the monitor be turned off for a couple of hours. Therefore, to achieve more accurate adjustments for parameters, allow the LCD monitor to be warmed up for at least 30 minutes before making any screen adjustments.

Notice

Please make sure the following items are included with your monitor.
If any items are missing, contact your dealer.
Also we'd like to ask you to use our 'D-Sub' cable all the time, otherwise we are not in a position to be responsible for all the matters caused by that.

Buttons & functions

Button	Function description	Hot key setting
MENU	Opens OSD Menu window.	
◄	Moves left icon choice bar. Decreases value of chosen icon.	Volume(Option)
►	Moves Right icon choice bar. Increases value of chosen icon.	Mute(Option)
▼	Chooses Sub icons of the Menu.	
▲	Exits from icons of the Menu.	Source Information
↵	Changes Input Signal.	Defalult : Auto
⏻	Turns On/off Monitor.	
State lamp	Indicates monitor's state. On Mode : Blue No signal Message : RED Standby Mode : Blue & RED Soft Power Off : LED Off	

Functions

Hot key is a handy key to execute frequently used functions.

▼ Monitor & OSD screen settings
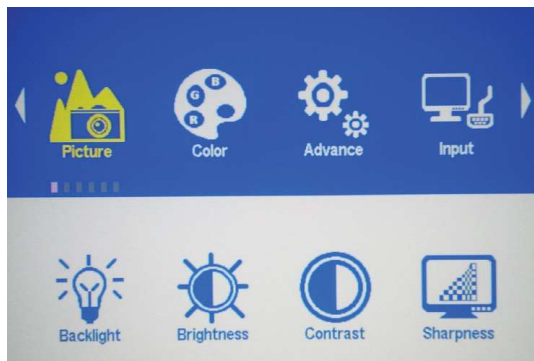
OSD screen selection and control procedures.

1. Press the "MENU" button to bring up the screen.
2. Press the " ◄ , ► " buttons to select the main option.
3. Press the " ▼ " button after selecting the main option.
4. Bring up the sub-menu. Use the " ◄ , ► " buttons to select the desired option.
5. Press the " ▼ " button after selecting the desired sub-menu option.
6. Use the " ◄ , ► " buttons to adjust the set value.
7. Pressing the " ▲ " button Three times saves and exits the setting mode.
   * Pressing the " ▲ " button moves back to the previous menu.

Main Menu ICON	Main Menu	SUB Menu	Function
	Picture	Backlight Brightness Contrast Shapness	Adjusts the Backlight of the screen. Adjusts the Brightness of the screen. Adjusts the Contrast of the screen. Adjusts the Sharpness of outlines.
	Color	Gamma Temperature Color Effect Demo Color format PCM Hue Saturation	Adjusts the accuracy of image . Selects Warm or Cool colors suitable for video type. Chooses optimum color condition by type of videos. Unsupported. Controls the Color format of the color. (RGB or YUV) To compensate the image qulity. Adjusts the proportions of green and red. Adjusts the Density of color.
	Advance	Aspect Ratio Over Scan Over Drvie DP Option	Selects the screen ratio. (Full , 16:9 , 4:3 , 5:4 , 1:1) Selects the screen size. (Used in case of DTV timing.) Adjusts response time of Panel. Selects the version of DP signal.(Normal : 1.2)
	Input	Auto Select DP HDMI 1 MHL(HDMI 2) DVI	Selects the input signal. (Normal : Auto Select) DP / HDMI 1 : 3840 × 2160@60Hz HDMI2 / DVI : 3840 × 2160@30Hz
	Other	Reset Menu Time OSD H Position OSD V Position Language Transparency Rotate	User setting values returns to factory setting values. Adjusts OSD display time on the screen. Adjusts OSD screen left or right. Adjusts OSD screen upwards or downwards. Selects OSD language.(2 language) Adjusts transparency of the OSD window. Adjusts rotation of the OSD window. (0 , 90 , 270)
	Information		Displays the information of present signal. Signal : (D0 : DP) Resolution : (3840 × 2160@60Hz) Frequency : (H : 133.5Khz PCLK : 533.5Mhz)

● English

Disposal of Used Electrical & Electronic Equipment

The meaning of the symbol on the product, its accessor or packaging indicates that this product shall not be treated as household waste. Please, dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipments waste. In the European Union and Other European countries which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your househol waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

● Dansk

Handtering af udtjente elektriske og elektroniske produkter (Gaelder for den Europaeiske Union og andre europaeiske lande med separate indsamlingssystemer)

Dette symbol pa produktet eller emballagen angiver, at produktet ikke ma benandles som husholdningsaffald. Det skal i stedet indleveres pa en deponeringsplads specielt indretter til modtagelse of oparbejdning af elektriske og elektroniske produkter. Ved at sikre at produktet bortskaffes korrekt, forebygges de eventuelle negative miljo-og sundhedsskadelige pavirkninger, som en ukorrekt affaldshandtering af produktet kan forarsage. Genindvinding af materialer vil medvirke til at bevare naturens ressourcer. Yderligere information om genindvindingen af dette produkt kan fas hos myndighederne, det lokale renovationsselskab eller butikken, hvor produktet blev kobt.

● Espanol

Eliminacion de equipamiento electrico y electronico usado

Este simbolo en el producto, sus accesorios o embalaje indica que el producto no debe tratarse como un residuo domestico. Deshagase de este equipamiento en su punto de recogida mas cercano para el reciclaje de residuos electricos y electronicos. En la Union Europea y otros paises europeos existen diferentes sistemas de recogida de productos electricos y electronicos usados. Al asegurar la correcta eliminacion de este producto ayudara a evitar riesgos potenciales para el medio ambiente y al salud de las personas que podrian tener lugar si el producto no se eliminara de forma adecua. El reciclaje de materiales ayudara a conservar los recursos naturales. Por consiguiente, no elimine equipamiento electrico y electronico usado junto con residuos domesticos. Para informacion mas detallada acerca del reciclaje de este producto, pongase en contacto con su oficina municipal, el servicio de eliminacion de residuosdomesticos o el establecimiento donde adquirio el producto.

● Português

Eliminação de Equipaménto Electrico e Electrónico Usado

O simbolo no aparelho, nos seus acessórios ou na embalagem indica que este aparelho nao deve ser tratado como residuos domésticos. Deixe deste aparelho no ponto de recolha de material eléctrico e electrónico para reciclagem mais perto de si. Na União Europeia e noutros paises europeus existem sistemas de recolha separada para produtos eléctricos e electronicos usados. Garantindo uma eliminacão correcta deste aparelho, ajudara a evitar possiveis danos ambientais e/ou pessoais, que um incorrecto tratamento do aparelho usado poderia provocar. A reciclagem de materiais ajuda a conservar os recursos naturais. Por isso, não deite fora os aparelhos eléctricos e electronicós junto com os seus residuos domesticos. Para informacao detalhada sobre a reciclagem deste aparelho, contacte a sua Camare Municipal, o seu servico de recolha de lixo ou a loja onde comprou o aparelho.

Display Modes and frequency

Resolution	Horizontal Frequency	Vertical Frequency	
800 x 600	37.879 kHz	60 Hz	
1024 x 768	48.363 kHz	60 Hz	
1280 x 1024	63.981 kHz	60 Hz	
1920 x 1080	67.5 kHz	60 Hz	
1920 x 1200	74.099 kHz	60 Hz	
2560 x 1440	88.8 kHz	60 Hz	
3840 x 2160	67.5 kHz	30 Hz	
3840 x 2160	133.5 kHz	60 Hz	
480p		50/60	HDCP (DP,HDMI, DVI)
576p		50/60	
720p		50/60	
1080p		50/60	

Power Save

This monitor has a built-in power management system called PowerSave. This system saves energy by switching your monitor into a low-power mode when it has not been used for a certain period of time. The monitor automatically returns to normal operation when you press a key on the keyboard. For energy saving, turn your monitor OFF when it is not used, or when leaving it unattended for a long period.

State	Power Consumption	LED Color
ON	Under 45 W (Max.) Under 32 W (Typ.)	Blue
DPMS	Less than 0.5w	Blue + RED
OFF	Less than 0.5w	LED off

Troubleshooting

Problem	Solution
Abnormal colors appear. It is in black and white.	Reconnect the cable to PC. Insert the PC's video card correctly. Re-boot the PC. Set the video card again after referring to the video card manual.
The displayed screen position suddenly changes or tilts inward.	Use the screen control to adjust the displayed screen shape. Set the resolution and/or frequency on the video card (refer to the supported mode table). Differences in the signal period of the video card may cause changes in the displayed position from time to time. Use the screen control functions to correct the displayed screen position.
Displays 16 colors only. The color has changed after replacing the video card.	Windows ME/XP/Vista: Re-set the color from the Control Panel –> Display –> Setting.Re-install the video card driver.
Power indicator lamp blinks Green.	Monitor is in Sleep Mode
Cannot control the screen with the buttons on the front of the monitor.	Contact technical support
There are colored spots on the screen.	There may be a few colored (red, green, white, black) pixel spots on the screen during use. This is a natural characteristic in LCD panels. It is not a malfunction and does not affect the monitor's performance.
The power indicator lamp is off.	Check if the power cable is intact. Reconnect the power cable correctly if necessary.
The " No Signal " message appears on the screen.	Check if the connection between the PC and monitor is intact. Reconnect the cable correctly if necessary.
The " Out of Range" message appears on the screen.	The output signal from the video card exceeds the monitor's maximum resolution or frequency limit. Set the maximum resolution and frequency to suit the product limits.
The screen appears to be sliding downward.	Check the connection between the PC and monitor. Re-connect if necessary.
The screen is unclear.	Run the auto-adjusting function.
The screen appears unstable or flickers. The screen leaves shadows.	Check if the computer or video card output resolution and frequency is set within the limits. Re-set the screen display by referring to the resolution information and standard supported mode table.
The screen is too bright or dark.	Use the brightness or contrast controls to adjust the display.
The color on the screen is not uniform.	Use the color density control to set the color.
Lines appear on the screen and the screen flickers.	Turn off any cordless phones, hair dryers, electrical drills etc. that are in use.

⚠ Caution Use a soft dry cloth to clean the product.
Use a clean cloth with a special screen cleanser.

- Do not scratch the monitor panel with your fingernails or other sharp objects.
- Do not use flammable substances such as benzene or paint thinner on the product. Do not use a wet cloth.
- Do not use acetone, benzene or paint thinner on the product.

Specifications

	Specification	27 UHD Wide
LCD	Visible Screen Area	596.16mm(H) x 335.34mm(V)
	Pixel Pitch	155.25um(H) x 155.25um(V)
	Recommended Resolution	3840 x 2160@60Hz
	Maxium Visible Angle	178° / 178° (H/V)
	Displayed Color	1.07 Billion
	Brightness	300 cd/㎡
	Contrast Ratio	1000:1
	Response Time	12 ms
Input Signal	Horizontal Frequency	31 ~ 133.5KHz
	Vertical Frequency	56 ~ 75Hz
	Video Signal	DVI , HDMI 1(60Hz) , HDMI 2(30Hz) , Disply port(60Hz)
	Connector	29pin DVI, 19Pin HDMI, 20Pin Display port
Power	Power Consumption	45W (Max), 32W (Typ)
	Stand by Power	0.5W
	Input Power	AC : 110V~240V 50/60Hz 1.5A , DC : 24Vdc, 5A
Multimedia Speakers		Yes(Option) , Headphone out(Option)
Operating Environment		Operation:10 to 40°C, humidity: 20-80%(non-condensing) Storage: -10 to 50°C, humidity: 10-90%(non-condensing)

※ The above specifications are subject to change without prior notice to improve performance.

FCC compliance

- MODEL: P278DPL
- FCC ID: PJIP278DPL

Note: This equipment has been tested and found to comply
with the limits for a Class B digital device, pursuant to part
15 of the FCC Rules. These limits are designed to provide
reasonable protection against harmful interference in
a residential installation.
This equipment generates, uses and can radiate radio
frequency energy and, if not installed and used in accordance
with the instructions, may cause harmful interference
to radio communications.
However, there is no guarantee that interference will not occur
in a particular installation.
If this equipment does cause harmful interference to radio
or television reception, which can be determined by turning
the equipment off and on, the user is encouraged to try to
correct the interference by one or more of the following measures:

・Reorient or relocate the receiving antenna.
・Increase the separation between the equipment and receiver.
・Connect the equipment into an outlet on a circuit different
  from that to which the receiver is connected.
・Consult the dealer or an experienced radio/TV technician for help.

Change or modifications not expressly approved by the
party responsible for compliance could void the user's authority
to operate the equipment under FCC rules.