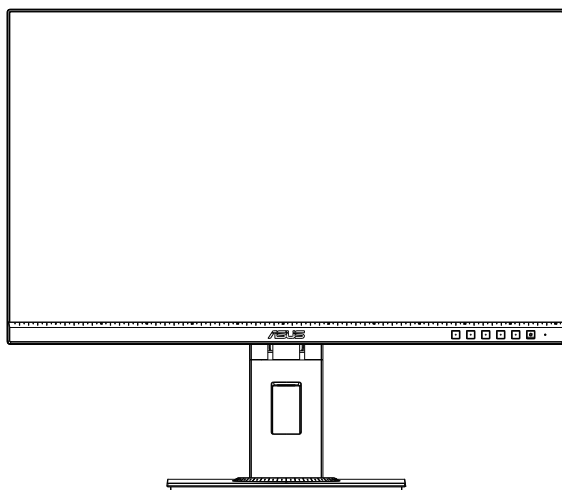




# PA279CV Series LCD Monitor

## User Guide



**HDMI**™  
HIGH-DEFINITION MULTIMEDIA INTERFACE

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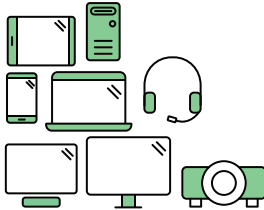
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Toward sustainable IT products



## Say hello to a more sustainable product

IT products are associated with a wide range of sustainability risks throughout their life cycle. Human rights violations are common in the factories. Harmful substances are used both in products and their manufacture. Products can often have a short lifespan because of poor ergonomics, low quality and when they are not able to be repaired or upgraded.

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# Notices

## Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

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 manufacturer's 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 to 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.

## Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

The device may fall, causing serious personal injury or death. To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions.



## Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet. Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 ~ 240V AC.
- The socket-outlet shall be installed near the equipment and shall be easily accessible
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- Provide an earthing connection before the mains plug is connected to the mains. And, when disconnecting the earthing connection, be sure to disconnect after pulling out the mains plug from the mains.

## **WARNING**

Usage of other than specified head- or earphones can result in hearing loss due to excessive sound pressures.

## Care & Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the LCD. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

### **The following symptoms are normal with the monitor:**

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not repair the screen by yourself!

### **Conventions used in this guide**



**WARNING:** Information to prevent injury to yourself when trying to complete a task.



**CAUTION:** Information to prevent damage to the components when trying to complete a task.



**IMPORTANT:** Information that you **MUST** follow to complete a task.



**NOTE:** Tips and additional information to aid in completing a task.

## **Where to find more information**

Refer to the following sources for additional information and for product and software updates.

### **1. ASUS websites**

The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to **<http://www.asus.com>**

### **2. Optional documentation**

Your product package may include optional documentation that may have been added by your dealer. These documents are not part of the standard package.

## **Takeback Services**

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for our customers to be able to responsibly recycle our products, batteries and other components as well as the packaging materials.

Please go to <http://csr.asus.com/english/Takeback.htm> for detail recycling information in different region.

## 1.1 Welcome!

Thank you for purchasing the ASUS® LCD monitor!

The latest widescreen LCD monitor from ASUS provides a crisper, broader, and brighter display, plus a host of features that enhance your viewing experience.

With these features, you can enjoy the convenience and delightful visual experience that the monitor brings you!

## 1.2 Package contents

Check your package for the following items:

- ✓ LCD Monitor
- ✓ Base
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ 1 x USB Type-C Cable(optional)
- ✓ 1x Power Cord
- ✓ 1x HDMI Cable (optional)
- ✓ 1x DP Cable (optional)
- ✓ Color calibration testing report
- ✓ ProArt welcome card

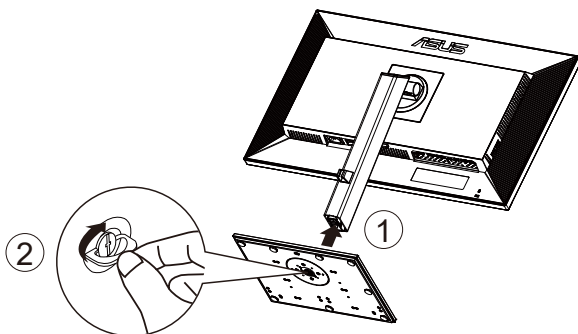


- 
- If any of the above items is damaged or missing, contact your retailer immediately.
-

## 1.3 Assembling the monitor

### To assemble the monitor:

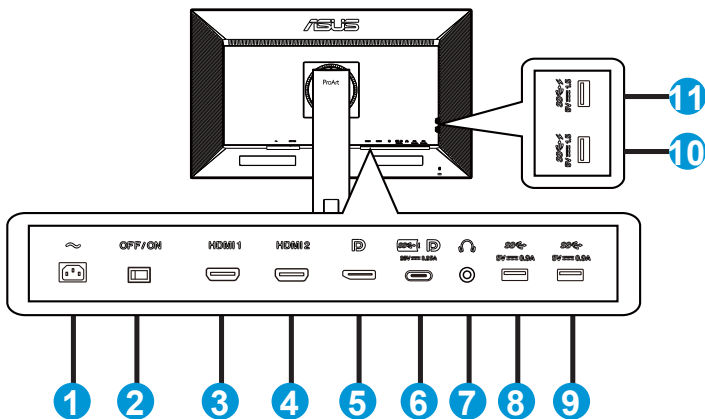
1. Align the screw hole on the arm with the bundled screw on the base. Then insert the base into the arm.
2. Fix the base to the arm by fastening the bundled screw.



\*Base screw size: M6 x 17mm

## 1.4 Connect cables

### 1.4.1 Rear of the LCD monitor

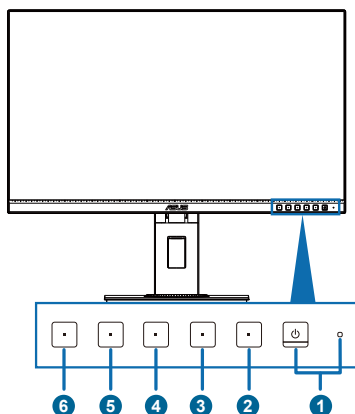


1. AC-IN Port
2. Power Switch
3. HDMI 1 Port
4. HDMI 2 Port
5. DP - in Port
6. USB Type-C Port
7. Earphone - out Port
8. USB3.0 Port
9. USB3.0 Port
10. USB3.0 Port
11. USB3.0 Port

## 1.5 Monitor introduction

### 1.5.1 Using the Controls button

Use the control button on the back of the monitor to adjust the image settings.



1.  Power button/power indicator:

- Turns the monitor on/off.
- The color definition of the power indicator is as the below table.

| Status | Description  |
|--------|--------------|
| White  | ON           |
| Amber  | Standby mode |
| OFF    | OFF          |

2.  Menu button:

- Press this button to display the OSD menu when the OSD is off.
- Enters the OSD menu.
- Toggles the Key Lock function between on and off with a long press for 5 seconds.

3.  Close Button:

- Press this button to display the OSD menu when the OSD is off.
- Exit the OSD menu.

4.  QuickFit button

- Press this button to display the OSD menu when the OSD is off.
- This is a hotkey to activate the QuickFit function designed for alignment.

- The QuickFit function contains pages of common grid patterns, paper sizes, and photo sizes. (Please refer to 3.1.2 OSD function introduction).

5.  Shortcut 1:

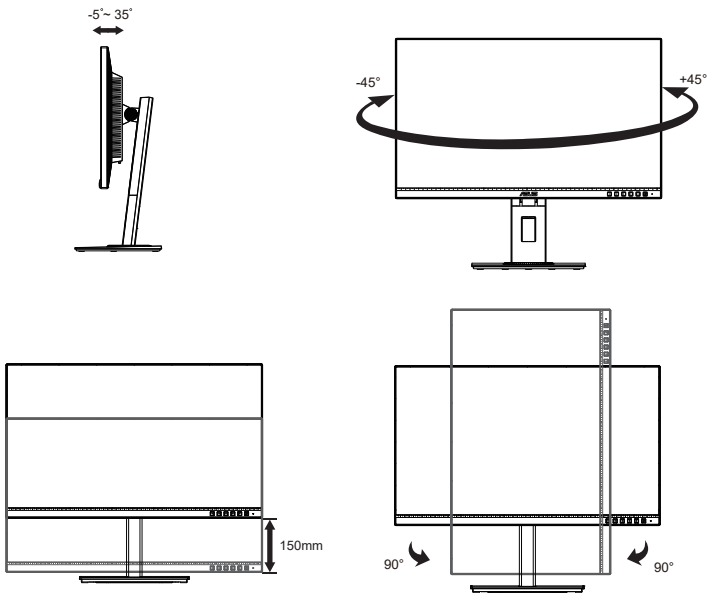
- Press this button to display the OSD menu when the OSD is off.
- Default: Brightness hotkey
- To change the hotkey function, go to the Shortcut > Shortcut 1 menu.

6.  Shortcut 2:

- Press this button to display the OSD menu when the OSD is off.
- Default: Blue light filter hotkey
- To change the hotkey function, go to the Shortcut > Shortcut 2 menu.

## 2.1 Adjusting the monitor

- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from  $+35^{\circ}$  to  $-5^{\circ}$  and it allows  $45^{\circ}$  swivel adjustment from either left or right.

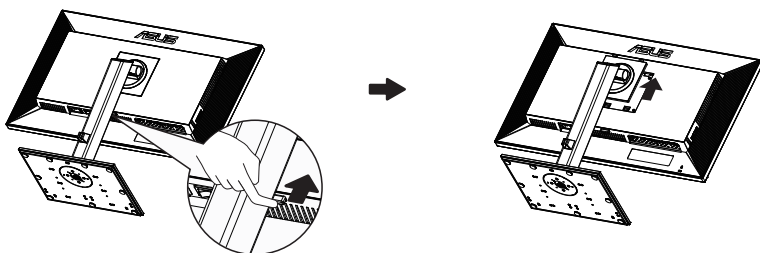


## 2.2 Detaching the arm/stand (for VESA wall mount)

The detachable stand of this monitor is specially designed for VESA wall mount.

### To detach the arm/stand

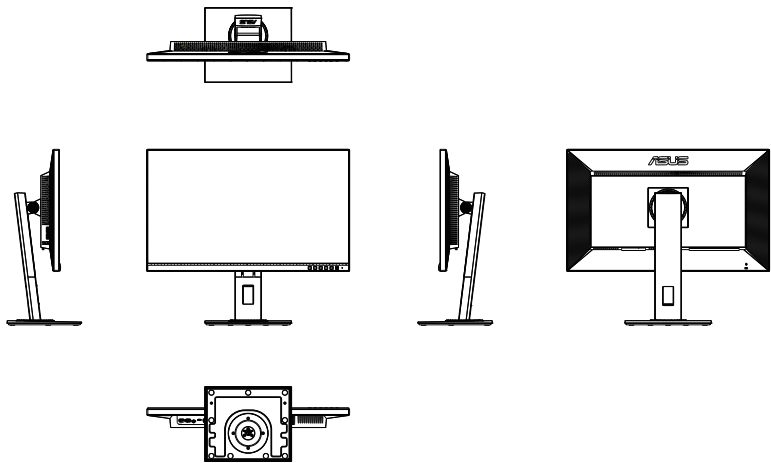
1. Disconnect power and signal cables. Carefully put the monitor facedown on its EPS packaging.
2. Press the quick release button from rear cover.
3. Detach the stand (arm and base) from the monitor.



- The VESA wall mount kit ( 100 x 100 mm) is purchased separately.
- Use only the UL Listed Wall Mount Bracket with minimum weight/load 28.8 kg (Screw size: M4 x 10 mm).

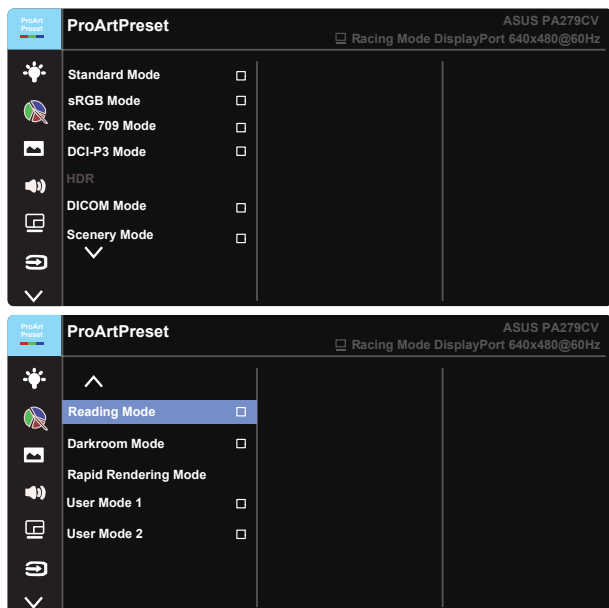
# 2.3 Outline dimension

Unit: mm



## 3.1 OSD (On-Screen Display) menu

### 3.1.1 How to reconfigure

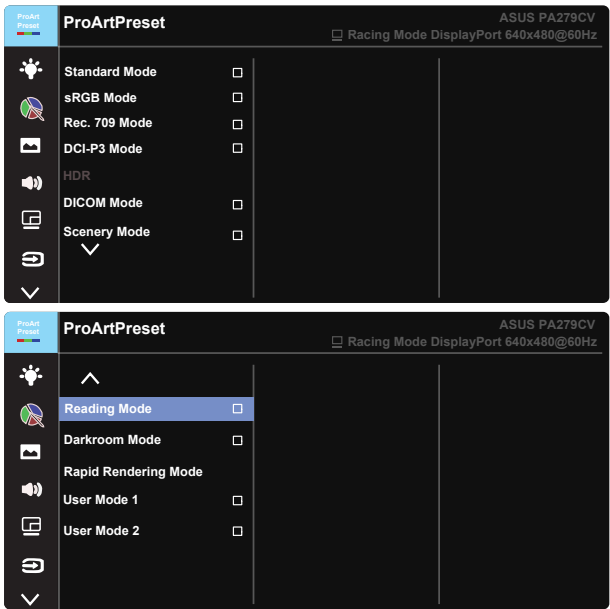


1. Press Central of 5-way to activate the OSD menu.
2. Press the ▼ and ▲ buttons to toggle between options in the Menu. As you move from one icon to another, the option name is highlighted.
3. To select the highlighted item on the menu press the Center key.
4. Press the ▼ and ▲ buttons to select the desired parameter.
5. Press the Center key to enter the slide bar and then use the ▼ or ▲ buttons, according to the indicators on the menu, to make your changes.
6. Press the ◀/▶ to move left / right menu.

### 3.1.2 OSD Function Introduction

#### 1. ProArtPreset

This function contains six sub-functions that you can select for your preference.



- **Standard Mode:** Best choice for document editing.
- **sRGB Mode:** Compatible with sRGB color space, sRGB mode is the best choice for document editing.
- **Rec. 709 Mode:** Compatible with Rec. 709 color space.
- **DCI-P3 Mode:**
- **HDR:** High Dynamic Range. Contains three HDR modes (ASUS Cinema HDR, ASUS Gaming HDR and Console Mode).
- **DICOM Mode:**
- **Scenery Mode:** Best choice for scenery photo display.
- **Reading Mode:** This is the best choice for book reading.
- **Darkroom Mode:** This is the best choice for a weak ambient light environment.
- **Rapid Rendering Mode:** Simulates display as high refresh rate performance to generate different backlight frequencies.

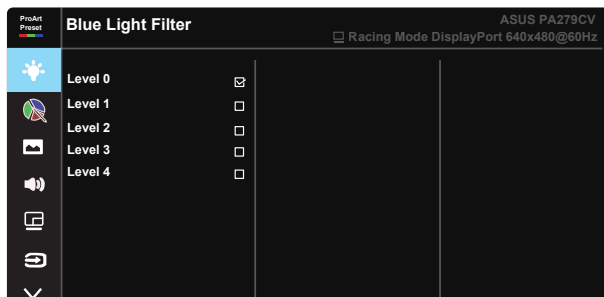
- **User Mode 1:** Allows you to make color adjustments in the Advanced Setting.
- **User Mode 2:** Allows you to make color adjustments in the Advanced Setting.



- In the Racing Mode, the Saturation, and ASCR functions are not user-configurable.
- In the sRGB Mode, the Saturation, Skin Tone, Color Temp., Brightness, Contrast and ASCR functions are not user-configurable.
- In the MOBA Mode, the Saturation and ASCR functions are not user-configurable.

## 2. Blue Light Filter

Adjust the energy level of blue light emitted from LED backlight.





- When Blue Light Filter is activated, the default settings of Standard Mode will be automatically imported.
- Between Level 1 to Level 3, the Brightness function is user-configurable.
- Level 4 is optimized setting. It is compliance with TUV Low Blue Light Certification. The Brightness function is not user-configurable.



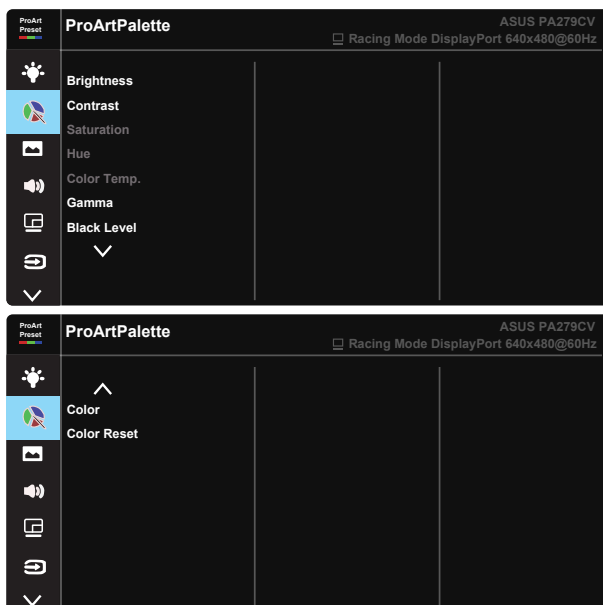
- 4:3 is only available when input source is in 4:3 format.



Please refer to the following to alleviate eye strains:

- Users should take some time away from the display if working for long hours. It is advised to take short breaks (at least 5 mins) after around 1 hour of continuous working at the computer. Taking short and frequent breaks is more effective than a single longer break.
- To minimize eye strain and dryness in your eyes, users should rest the eye periodically by focusing on objects that are far away.
- Eye exercises can help to reduce eye strain. Repeat these exercises often. If eye strain continues please consult a physician. Eye exercises: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
- High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light Filter to reduce 70% (max.) harmful blue light to avoiding CVS (Computer Vision Syndrome).

### 3. ProArtPalette



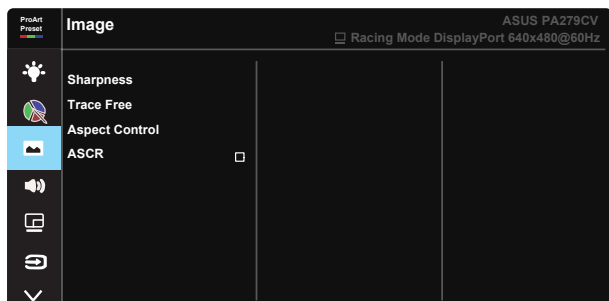
- **Brightness:** The adjusting range is from 0 to 100.
- **Contrast:** The adjusting range is from 0 to 100.
- **Saturation:** The adjusting range is from 0 to 100.
- **Color Temp.:** Contains three preset color modes (**Cool**, **Normal**, **Warm**) and **User** Mode.
- **Gamma:** Contains three gamma modes including 1.8, 2.2, 2.5.
- **Black Level:** To adjust the initialized 1st signal level of darkest gray level.
- **Color:**
  - \* Six-axis Hue adjustment.
  - \* Six-axis Saturation adjustment.
  - \* Adjusts the gain levels for R, G, B.
  - \* Adjusts the black level offset values for R, G, B.
- **Color Reset:**
  - \* Current mode color reset:  
Resets the color settings of current color mode to the factory default value.
  - \* All modes color reset:  
Resets the color settings of all color modes to the factory default value.



- 
- In the User Mode, colors of R (Red), G (Green), and B (Blue) are user-configurable; the adjusting range is from 0 ~ 100.
-

#### 4. Image

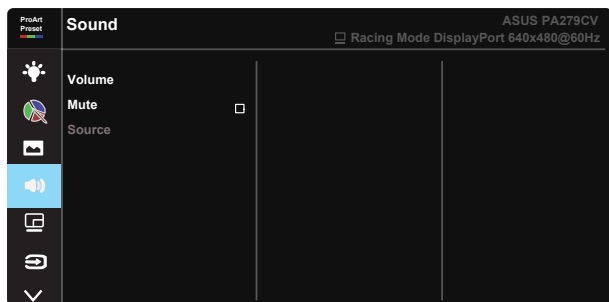
You can adjust Sharpness, Trace Free, Aspect Control and ASCR from this main function.



- **Sharpness:** Adjusts the picture sharpness. The adjusting range is from 0 to 100.
- **Trace Free:** Speeds up the response time by Over Drive technology. The adjusting range is from lower 0 to faster 100.
- **Aspect Control:** Adjusts the aspect ratio to "Full" and "4:3".
- **ASCR:** Select ON or OFF to enable or disable dynamic contrast ratio function.

#### 5. Sound

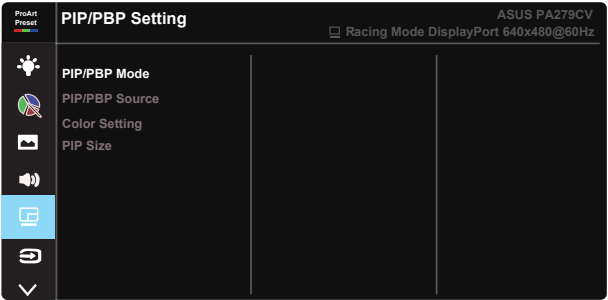
You can adjust Volume, Mute and Source from this main function.



- **Volume :** Adjusts the output volume level.
- **Mute :** toggles the monitor sound between on and off.
- **Source :** decides the monitor sound comes from which source.

6. PIP/PBP Setting

The PIP/PBP Setting allows you to open up sub-window(s) connected from any video source.

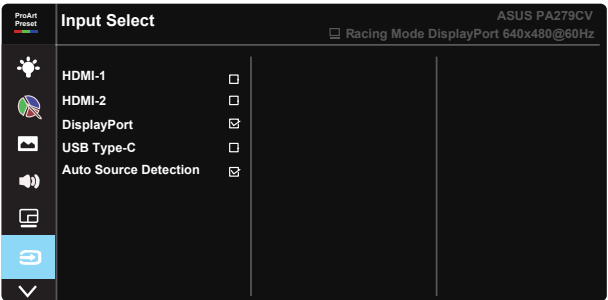


By activating this function, this monitor displays two pictures, three pictures or four pictures for any video source.

- **PIP/PBP Mode:** Select PIP, PBPx2, PBPx3 or PBPx4 or turn it off.
- **PIP/PBP Source:** Selects the video input source among, “HDMI-1”, “HDMI-2”, “HDMI-3” or “DisplayPort”.
- **Color setting:** Set GameVisual mode for each PIP/PBP window.
- **PIP Size:** Adjust the PIP size to “Small”, “Middle”, or “Large”.

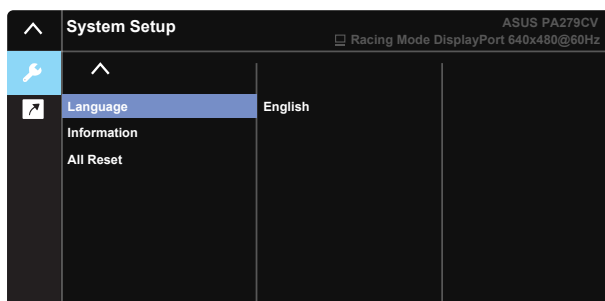
7. Input Select

Select the input source from HDMI-1, HDMI-2, DisplayPort, USB Type-c and Auto Source Detection input signal.



## 8. System Setup

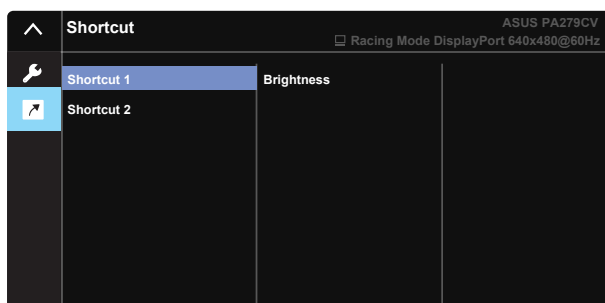
Select the input source from Language, Information and All Reset input signal.



- **language:** Select OSD language. The selections are: **English, French, German, Spanish, Italian, Dutch, , Russian, Poland, Czech, Croacia, Hungary, Romania, Portugal, Turkey, Simplified Chinese, Traditional Chinese, Japanese, Korean, Persian, Thai, Indonesian.**
- **Information:** Displays the monitor information.
- **All Reset:** Selects “Yes” to revert all settings to the factory default mode.

## 9. Shortcut

Selecting this option allows you to set two shortcut keys. User can select from “Brightness”, “Contrast”, “Input Select”, “Color Temp.”, “Volume”, “QuickFit”, “GamePlus”, “Rest Reminder”, “Color Augmentation” and set as shortcut key.



## 3.2 Specifications

| Model                                                       | PA279CV                                   |
|-------------------------------------------------------------|-------------------------------------------|
| Panel Size                                                  | 27"W (68.47cm)                            |
| Max. Resolution                                             | 3840x2160@60Hz                            |
| Brightness (Typ.)                                           | 350cd/m <sup>2</sup>                      |
| Intrinsic Contrast Ratio (Typ.)                             | 1000:1                                    |
| Viewing Angle (CR=10)                                       | 178°(V) /178°(H)                          |
| Display Colors                                              | 1.07 B(8bit+A-FRC)                        |
| Color Saturation                                            | 75% NTSC                                  |
| Response Time                                               | 5ms (Gray to Gray)                        |
| Satellite Speaker                                           | 2W x 2 stereo                             |
| Earphone Output                                             | Yes                                       |
| Sound from HDMI                                             | Yes                                       |
| HDMI input                                                  | Yes                                       |
| DisplayPort input                                           | Yes                                       |
| USB Port                                                    | Upstream x1, Downstream x 4               |
| Power ON Consumption(Max.)                                  | < 16 W* Based on Energy Star 8.0 standard |
| Chassis Colors                                              | Black                                     |
| Power saving mode                                           | < 0.5W                                    |
| Power off mode                                              | < 0.5W                                    |
| Tilt                                                        | -5° ~ +35°                                |
| Phys. Dimension (WxHxD)                                     | 614 x 523.5 x 227.82 mm                   |
| Phys. Dimension without stand (WxHxD) (For VESA Wall Mount) | 614 x 369.9 x 59.5 mm                     |
| Box Dimension (WxHxD)                                       | 680 x 161 x 516 mm                        |
| Net Weight (Esti.)                                          | 8.6 kg                                    |
| Gross Weight (Esti.)                                        | 11.2 kg                                   |
| Voltage Rating                                              | AC 100~240V(Built-in)                     |
| Operational temperature                                     | 0~40°                                     |

## 3.3 Troubleshooting (FAQ)

| Problem                                                        | Possible Solution                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power LED is not ON                                            | <ul style="list-style-type: none"><li>• Press the  button to check if the monitor is in the ON mode.</li><li>• Check if the power cord is properly connected to the monitor and the power outlet.</li><li>• Check Power Indicator function in main menu OSD. Select "ON" to turn on power LED.</li></ul>    |
| The power LED lights amber and there is no screen image        | <ul style="list-style-type: none"><li>• Check if the monitor and the computer are in the ON mode.</li><li>• Make sure the signal cable is properly connected the monitor and the computer.</li><li>• Inspect the signal cable and make sure none of the pins are bent.</li><li>• Connect the computer with another available monitor to check if the computer is properly working.</li></ul> |
| Screen image is too light or dark                              | <ul style="list-style-type: none"><li>• Adjust the Contrast and Brightness settings via OSD.</li></ul>                                                                                                                                                                                                                                                                                       |
| Screen image bounces or a wave pattern is present in the image | <ul style="list-style-type: none"><li>• Make sure the signal cable is properly connected to the monitor and the computer.</li><li>• Move electrical devices that may cause electrical interference.</li></ul>                                                                                                                                                                                |
| Screen image has color defects (white does not look white)     | <ul style="list-style-type: none"><li>• Inspect the signal cable and make sure that none of the pins are bent.</li><li>• Perform Reset via OSD.</li><li>• Adjust the R/G/B color settings or select the Color Temperature via OSD.</li></ul>                                                                                                                                                 |
| No sound or sound is low                                       | <ul style="list-style-type: none"><li>• Adjust the volume settings of both your monitor and computer.</li><li>• Make sure the computer sound card driver is properly installed and activated.</li></ul>                                                                                                                                                                                      |

## 3.4 Supported Timing List

### PC Timings List of HDMI / DP input

| Resolution             | HDMI | DP |
|------------------------|------|----|
| 640x480-60Hz           | V    | V  |
| 640x480-67Hz           | V    | V  |
| 640x480-72Hz           | V    | V  |
| 640x480-75Hz           | V    | V  |
| 720x400-70Hz           | V    | V  |
| 800x600-56Hz           | V    | V  |
| 800x600-60Hz           | V    | V  |
| 800x600-72Hz           | V    | V  |
| 800x600-75Hz           | V    | V  |
| 1024x768-60Hz          | V    | V  |
| 1024x768-70Hz          | V    | V  |
| 1024x768-75Hz          | V    | V  |
| 1152x864-75Hz          | V    | V  |
| 1280x720-60Hz(RB)      | V    | V  |
| 1280x720-60Hz          | V    | V  |
| 1280x720-60Hz          | V    | V  |
| 1280x960-60Hz          | V    | V  |
| 1280x1024-60Hz         | V    | V  |
| 1440x900-60Hz(CVT RB)  | V    | V  |
| 1440x900-60Hz          | V    | V  |
| 1680x1050-60Hz(CVT RB) | V    | V  |
| 1680x1050-60Hz         | V    | V  |
| 1920x1080-60Hz         | V    | V  |
| 1920x1080-60Hz         | V    | V  |
| 1920x1080-120Hz(CEA)   | V    | V  |
| 1920x1080-144Hz(CVT2)  | V    | V  |
| 1920x1080-165Hz        | X    | V  |
| 720x480P-60Hz          | V    | V  |
| 720x576P-50Hz          | V    | V  |
| 1280x720P-50Hz         | V    | V  |
| 1280x720P-60Hz         | V    | V  |
| 1280x720P-60Hz         | V    | V  |
| 1440x480P-60Hz         | V    | V  |
| 1440x480P-60Hz         | V    | V  |
| 1440x576P-50Hz         | V    | V  |
| 1920x1080P-50Hz        | V    | V  |
| 1920x1080P-60Hz        | V    | V  |

