ProArt

PA278QV2

USER GUIDE



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE
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ASUS

First Edition

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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 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.



The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

ENERGY STAR complied product



ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

All ASUS products with the ENERGY STAR logo comply with the ENERGY STAR standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 10 and 30 minutes of user inactivity. To wake your computer, click the mouse or press any key on the keyboard. Please visit http://www.energystar.gov/powermanagement for detail information on power management and its benefits to the environment. In addition, please visit http://www.energystar.gov for detail information on the ENERGY STAR joint program.

NOTE: Energy Star is NOT supported on FreeDOS and Linux-based operating system.

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.

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Réglement sur le matériel brouiller du Canada.

Software Low Blue Light compliance

ASUS requests every model to pass SW LBL when “Image/ Blue Light Filter” is set to MAX.

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 reduces eye strain. Repeat these exercises often. If eye strain continues please consult a physician. Eye exercise: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
- High energy blue ligh 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).

Blue Light Filter set to MAX. It is in compliance with TÜV Rheinland low blue light Software Solution certification.

Flicker-Free technology

The Monitor adopts Flicker-Free technology, which clears the eye visible flicker, brings comfort viewing experience and preventing users suffer from eye strain and fatigue.

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 extention 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.
- By means of a power cord connected to a socket-outlet with earthing connection.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- Adjustment of the volume control as well as the equalizer to other settings than the center position may increase the ear-/headphones output voltage and therefore the sound pressure level.

WEEE compliance

The Waste Electrical and Electronic Equipment (WEEE) Directive (Directive 2012/19/EU) is a European Union law that aims to reduce the environmental impact of electrical and electronic equipment. It mandates producers to take responsibility for the end-of-life management of their products, promoting collection, treatment, and recycling to minimize waste and encourage resource recovery.

Do not throw your Electronic and electrical equipment in municipal waste.

The symbol of the crossed-out wheeled bin on the product or packaging indicates that this product (including any batteries it contains), must not be disposed of with your household waste.

To prevent potential harm to the environment and human health, a collection framework should be used to return, recycle, and recover waste electrical and electronic equipment (WEEE), and this product has been designed to enable the reuse of parts and facilitate the recycling of certain materials.

Improper disposal may involve risks due to the presence of hazardous substances within electrical and electronic equipment, such as lead and BFR and other harmful components.

Check your local recycling services for electronic products.
(https://esg.asus.com/en/circular-economy/resource-regeneration/global-take-back-service)



New Mexico PFAS Labeling



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 water.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the monitor. 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:

- 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 broader, brighter and crystal-clear 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 to you!

1.2 Package contents

Check your package for the following items:

- ✓ LCD monitor
- ✓ Monitor stand/base
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power cord
- ✓ HDMI cable (optional)
- ✓ DisplayPort cable (optional)
- ✓ USB B to A cable (optional)
- ✓ Color calibration report



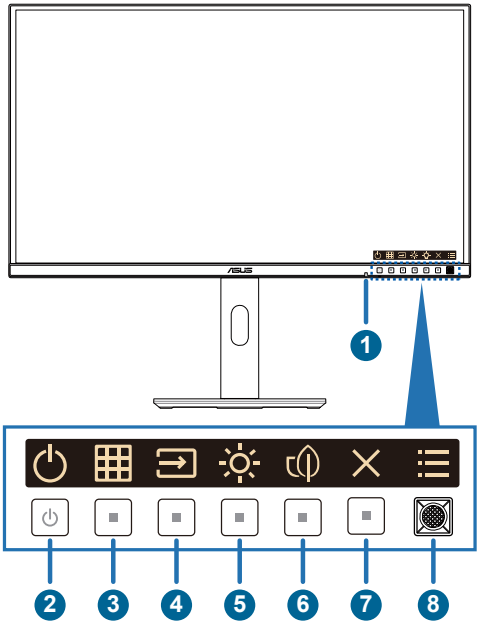
If any of the above items is damaged or missing, contact your retailer immediately.



If you need to replace the power cord or the connection cable(s), please contact ASUS customer service.

1.3 Monitor introduction

1.3.1 Front view



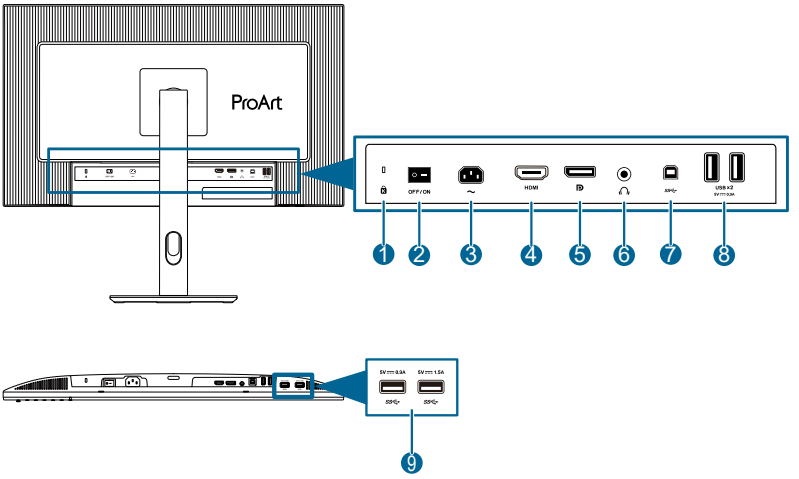
1. Light Sensor: This sensor is used to detect the change of ambient light.
2. Power button/power indicator:
   - Turns the monitor on/off. Press and hold this button for 0.6 seconds will shut down the monitor.
   - The color definition of the power indicator is as the below table.

Status	Description
White	On
Amber	Standby mode
Off	Off

3. QuickFit Plus button:
   - Press this button to display the OSD menu when the OSD is off.
   - Selects the QuickFit Plus function.
4. Input button:
   - Press this button to display the OSD menu when the OSD is off.
   - Press this button to select input.

5. Shortcut 2:
   - 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 2 menu.
6. Shortcut 1:
   - Press this button to display the OSD menu when the OSD is off.
   - Default: Energy Saving hotkey
   - To change the hotkey function, go to the Shortcut > Shortcut 1 menu.
7. Exit button:
   - Press this button to display the OSD menu when the OSD is off.
   - Exits the OSD menu.
8. Menu (5-way) button:
   - Press this button to display the OSD menu when the OSD is off. Press this button again to enter the OSD main menu.
   - Enacts the selected OSD menu items.
   - Increases/Decreases values or moves your selection up/down/left/right.
   - Push the 5-way button down for over 5 seconds to toggle the Key Lock function between on and off.

1.3.2 Back view



1. **Kensington lock**: This port connects a lock-and-cable apparatus for security purpose.
2. **Power switch**: Press the switch to turn on/off power.
3. **AC-IN port**: This port connects the power cord.
4. **HDMI port**: This port is for connection with an HDMI compatible device.
5. **DisplayPort in**: This port is for connection with a DisplayPort compatible device.
6. **Earphone jack**: This port is only available when an HDMI/DisplayPort cable is connected.
7. **USB Type-B**: This port connects the USB Type-B cable.
8. **USB 3.2 Gen 1 Type-A**: These ports are for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.
9. **USB 3.2 Gen 1 Type-A**: These ports are for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.

1.3.3 QuickFit Plus Function

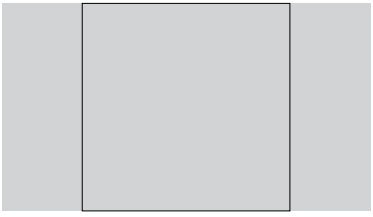
The QuickFit Plus function contains 4 types of patterns: (1) Safe Area (2) Center Marker (3) Customization (4) Ruler. To activate the patterns, press the QuickFit Plus button. Use the Menu (5-way) button to select a desired pattern. You can move the button up/down/left/right to change the pattern's position if needed.

Note that only **Customization** pattern can be adjusted its frame size according to your need, but may have limited range for moving left/right/up/down.

1. Safe Area

Facilitates designers and users to organize content and layout on one page and achieve a consistent look and feel.

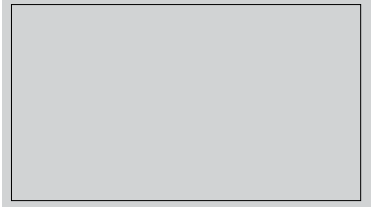
The selections are:



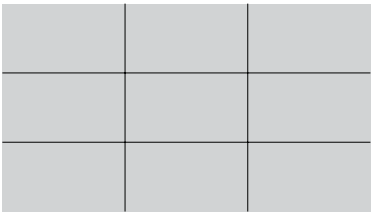
1:1



Action Safe



Title Safe

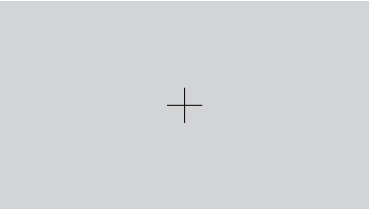


3 X 3

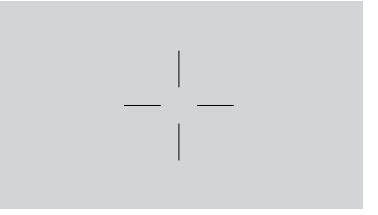
2. Center Marker

Selects the center marker type.

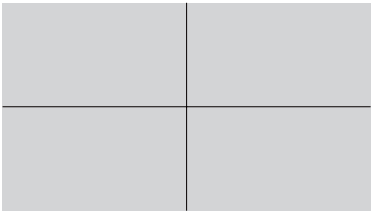
The selections are:



Type 1



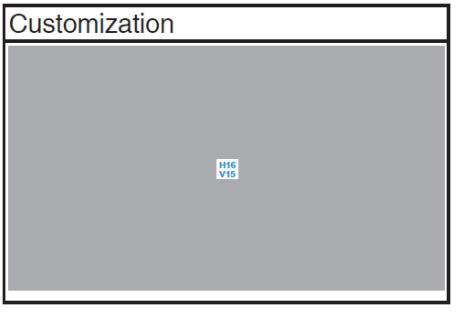
Type 2



Type 3

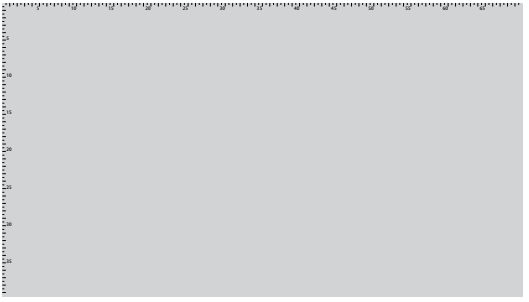
3. Customization

You can decide the frame size by moving the Menu (5-way) button up/down/left/right. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between millimeter and inch.



4. Ruler

This pattern presents physical ruler on top and left side. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between metric and imperial.

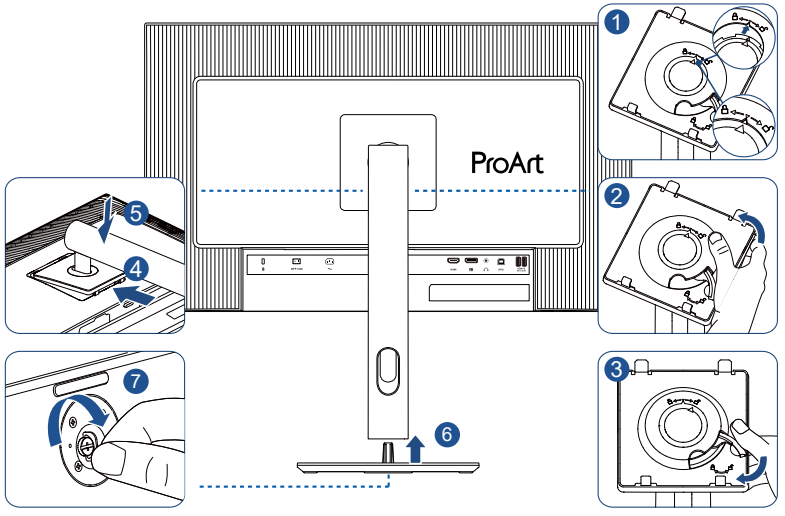


2.1 Assembling the monitor arm/base

To assemble the monitor base:

1. Make sure the triangle marks of VESA cover aligned.
2. Attach the arm into the VESA cover.
3. Shut the lock to make the arm and VESA cover assembled.
4. Have the front of the monitor face down on a table, slide the tabs on the arm into the slots on the VESA cover.
5. Press down the arm assembly to snap it into place.
6. Attach the base into the arm, making sure the tab on the arm fits into the groove on the base.
7. Fix the base to the arm by fastening the bundled screw.

We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



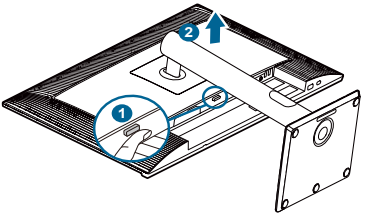
Base screw size: M6 x 16.2 mm.

2.2 Detaching the arm/base (for VESA wall mount)

The detachable arm/base of this monitor is specially designed for VESA wall mount.

To detach the arm/base.

1. Have the front of the monitor face down on a table.
2. Press the release button, and then detach the arm/base from the monitor.

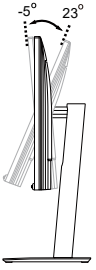


We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.

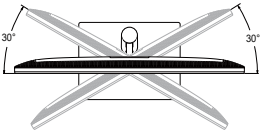
- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only with UL/CSA/GS Listed Wall Mount Bracket with minimum weight/load bearing capacity of 5.93 kg (13.08 lb) (Screw size: M4 x 11 mm).

2.3 Adjusting the monitor

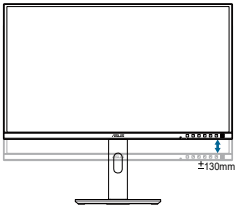
- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from +23˚ to -5˚, +/- 30˚ swivel adjustment from either left or right, and it allows +/- 90˚ pivot adjustment. You can also adjust the monitor's height within +/- 130 mm.



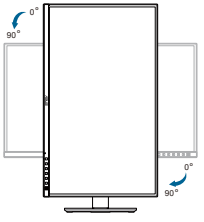
(Tilt)



(Swivel)



(Height adjustment)

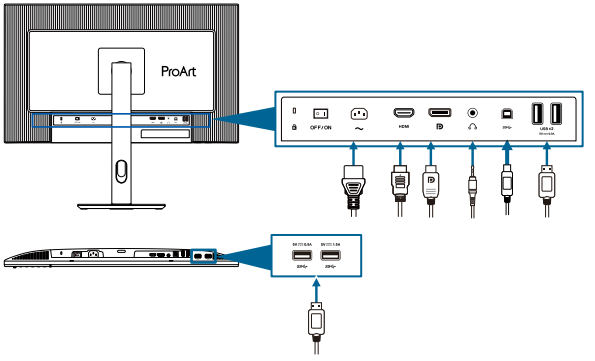


(Pivot)

It is normal that the monitor slightly shakes while you adjust the viewing angle.

2.4 Connecting the cables

Connect the cables as the following instructions:



- **To connect the power cord**: Connect one end of the power cord securely to the monitor's AC input port, the other end to a power outlet.
- **To use the HDMI port**: Connects the HDMI cable to a source device such as a computer or game console.
- **To use the DisplayPort connector**: Connects the DisplayPort cable to a source device, such as a computer or game console.
- **To use the earphone:** connect the end with plug type to the monitor's earphone jack when an HDMI/DisplayPort signal is fed.
- **To use the USB Type-B port**: This port is for connection with a USB upstream cable. The connection enables the USB ports on the monitor.

When these cables are connected, you can choose the desired signal from the **Input** item in the OSD menu.

If you need to replace the power cord or the connection cable(s), please contact ASUS customer service.

2.5 Turning on the monitor

Press the power button ⏻ . See page 1-2 for the location of the power button. The power indicator ⏻ lights up in white to show that the monitor is ON.

3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure

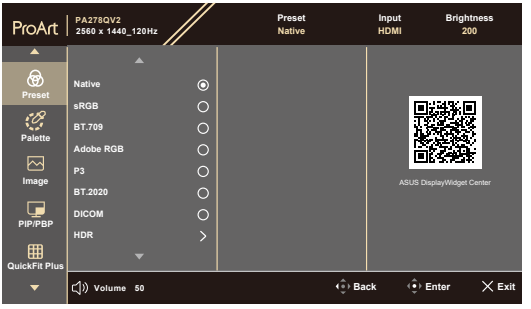


1. Press any button to display the OSD menu.
2. Press the Menu (5-way) button to enter the OSD main menu.
3. Move the Menu (5-way) button up/down/left/right to navigate through the functions. Highlight the desired function and press the Menu (5-way) button to activate it. If the function selected has a sub-menu, move the Menu (5-way) button up/down to navigate through the sub-menu functions. Highlight the desired sub-menu function and press the Menu (5-way) button or move the Menu (5-way) button to activate it.
4. Move the Menu (5-way) button up/down to change the settings of the selected function.
5. To exit and save the OSD menu, press the button or move the Menu (5-way) left repeatedly until the OSD menu disappears. To adjust other functions, repeat steps 1-4.

3.1.2 OSD function introduction

1. Preset

This function contains 10 sub-functions you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.



- **Native**: Best choice for document editing.

Energy star® cert done in native mode.

- **sRGB**: Compatible with sRGB color space, sRGB mode is the best choice for document editing.
- **BT.709**: Compatible with BT.709 color space.
- **Adobe RGB**: Compatible with Adobe RGB color space.
- **P3**: Compatible with P3 color space.
- **BT.2020**: Compatible with BT.2020 color space.
- **DICOM**: Compatible with DICOM standard, best choice for medical image checking.
- **HDR**: High Dynamic Range. Contains three HDR modes (**PQ Optimized**, **PQ Clip**, and **PQ Basic**).
  - **PQ Optimized**: Delivers the optimized HDR performance of this display with as much accuracy as with ST2084 in terms of display luminance capability.
  - **PQ Clip**: Preserves PQ curve till displaying maximum luminance with accuracy. ST2084 code value with higher than display maximum will be mapped to the maximum luminance.
  - **PQ Basic**: Presents HDR performance of general HDR supported displays.

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

Below table shows the default configurations for each ProArt Preset mode:

Preset	Native	sRGB	BT.709	AdobeRGB	P3
Color Temp.	6500K	Fixed (6500K)	6500K	Fixed (6500K)	6500K (default)
Brightness	200	80 nits	100 nits	160 nits	48 nits
Contrast	80	80	80	80	80
Sharpness	Enable	Enable	Enable	Enable	Enable
Saturation	Middle (50)	Disable	Middle (50)	Middle (50)	Middle (50)
Hue	Middle (50)	Disable	Middle (50)	Middle (50)	Middle (50)
ProArt Palette/Color	Enable	Fixed	Enable	Enable	Enable
Black Level	Enable	Enable	Enable	Enable	Enable
Input Range	Enable	Enable	Enable	Enable	Enable
Gamma	Enable (2.2)	Fixed (2.2)	Enable (2.4)	Fixed (2.2)	2.6 (2.2/2,6 only)
Light Sync	Enable	Fixed (Default)	Enable	Enable	Enable
Adaptive Color	Enable (Default)	Fixed (Default)	Enable (Default)	Fixed (Default)	Enable (Default)

Preset	BT.2020	DICOM	HDR	User Mode 1/ User Mode 2
Color Temp.	6500K	6500K	Fixed (6500K)	6500K
Brightness	100 nits	200	250nits/Max	200
Contrast	80	80	Fixed (Default)	80
Sharpness	Enable	Enable	Enable	Enable
Saturation	Middle (50)	Middle (50)	Fixed (Default)	Middle (50)
Hue	Middle (50)	Middle (50)	Fixed (Default)	Middle (50)
ProArt Palette/Color	Enable	Enable	Enable (RGB Gain only)	Enable (Default)
Black Level	Enable	Enable	Enable	Enable
Input Range	Enable	Enable	Enable	Enable
Gamma	Enable (2.4)	Fixed (Off)	Fixed (Off)	Enable (2.2)
Light Sync	Enable	Fixed (Off)	Fixed (Default)	Enable* (Default)
Adaptive Color	Enable (Default)	Enable (Default)	Fixed (Default)	Enable* (Default)

* Some functions require updating FW to implement.

Please check the latest F/W on ASUS Support Site. https://www.asus.com/support/

Firmware Upgrade Process:

1.1 Test Environment Preparation:

Before updating the model software, the following items must be ready in progress.

Download and extract the firmware ISP file to your PC host.

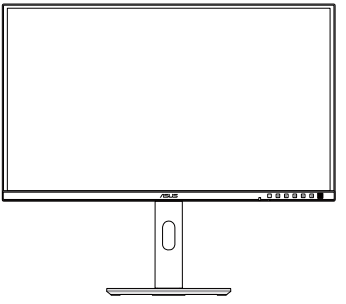
The monitor can only be upgraded using firmware file

“ASUSFirmwareOneKeyUpdate_PA278QV2_XXXX.zip”.

1.1.1 Hardware Required:

- Monitor set*1pcs
- PC or laptop*1pcs
- USB A to B cable *1pcs
- HDMI cable or DP cable*1pcs (to provide the signal to the monitor)

- Monitor set*1pcs



- HDMI cable*1pcs



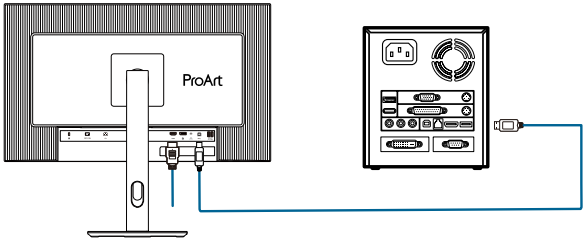
- USB cable*1pcs



1.1.2 Software Preparation:

- ASUSFirmwareOneKeyUpdate.exe

1.2 Hardware Configuration:



1.3 Update Scaler Firmware:

Refer to Hardware Configuration to connect the computer and the monitor. Use a USB TYPE-B to TYPE-A cable, with TYPE-B connected to the computer and TYPE-A connected to the monitor.

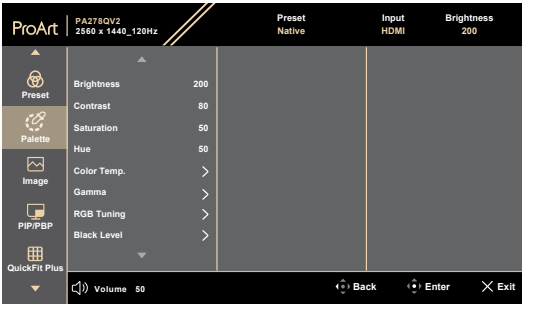
Step 1. Unzip “ASUSFirmwareOneKeyUpdate_PA278QV2_XXXX.zip” and run “ASUSFirmwareOneKeyUpdate.exe”.

Step 2. Follow the instruction on the PC/NB to finish the Frimware update.



2. Palette

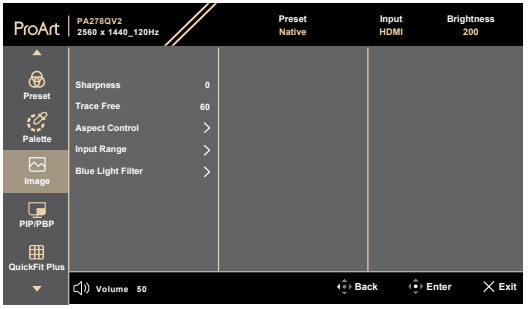
Set a desired color setting from this menu.



- **Brightness**: The adjusting range is from 0 to 400.
- **Contrast**: The adjusting range is from 0 to 100.
- **Saturation**: The adjusting range is from 0 to 100.
- **Hue**: Shifts the image color between green and purple.
- **Color Temp.**: Contains 6 modes including 9300K, 6500K, 5500K, 5000K, DCI-P3 and M Model. When Preset mode P3 is chosen, only 6500K(default), DCI-P3, and M Model are available.
- **Gamma**: Allows you to set the color mode to 1.8, 2.0, 2.2, 2.4 or 2.6.
- **RGB Tuning**:
  - **Gain**: The adjusting range is from 0 to 400.
  - **Offset**: The adjusting range is from 0 to 400.
- **Black Level**: To adjust the initialized 1st signal level of darkest gray level.
  - **Signal**: The adjusting range is from 0 to 100.
  - **Backlight**: To adjust darkness of backlight.
- **Color Reset**:
  - **Current Preset**:
    Resets the color settings of current color mode to the factory default value.
  - **All Presets**:
    Resets the color settings of all color modes to the factory default value.

3. Image

Set the image related setting from this menu.



- **Sharpness**: The adjusting range is from 0 to 100.
- **Trace Free**: Adjusts the response time of the monitor.

To activate this function, you need to do the following: turn off PIP/PBP and disable HDR on your device.

- **Aspect Control**: Adjusts the aspect ratio to **Full**, **Dot to Dot** or **1:1 Ratio**.

To activate this function, you need to do the following: turn off **MediaSync** and **PIP/PBP**.

- **Input Range**: To map signal range with whole black to white presented range of display.
- **Blue Light Filter**: Adjust the strength of blue light filter.

To activate this function, you need to do the following: disable HDR on your device.



Please refer to the following to alleviate eye strains:

- Users should take some time away from the display if working for long h 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).

4. PIP/PBP

The PIP/PBP menu allows you to open up another sub-window connected from another video source (when input source is below 60Hz) besides the main-window from your original video source.

To activate this function, you need to do the following: turn off **MediaSync/ Dynamic Dimming** and disable HDR on your device.



- **Mode**: Selects **PIP**, **PBP** function, or turn it off.

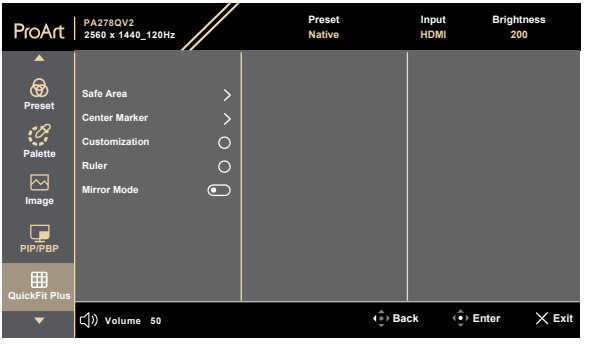
To scale both displays to full screen in PBP mode, set resolution settings for both as 1280 x 1440 in OS display settings. (And make sure that the scaling option is "Maintain Display Scaling" if you are using an Intel graphic card.)

- **Source**: Selects the video input source from among **HDMI** and **DisplayPort**.
- **Color setting**: Select color Preset for Main and Sub windows.
- **PIP Size**: Adjusts the PIP size to **Small**, **Medium** or **Large** (Only available for the PIP mode).

5. QuickFit Plus

In this function, you can use different kinds of alignment patterns.

To activate this function, you need to do the following: turn off PIP/PBP on your device and restore your screen back to normal position (do not rotate).



- **Safe Area**: Facilitates designers and users to organize content and layout on one page and achieve a consistent look and feel. The selections are: **1:1**, **Action Safe**, **Title Safe**, **3 x 3**.
- **Center Marker**: Adjusts the **Type 1**, **Type 2**, **Type 3**.
- **Customization**: You can decide the frame size by moving the Menu (5-way) button up/down/left/right. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between millimeter and inch.
- **Ruler**: This pattern presents physical ruler on top and left side. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between metric and imperial.
- **Mirror Mode**: Flip the image horizontally.

6. Input

In this function, you can select your desired input source.

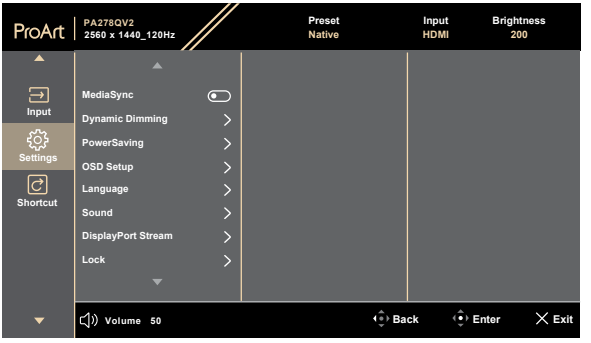


- **Auto Detection**: Automatically detects other active signals when current input signal is inactive.

To activate this function, you need to do the following: Set Settings/ Power Saving to Normal Level.

7. Settings

Allows you to adjust the system.



- **MediaSync**: Turn on VESA MediaSync support.
  - * MediaSync can only be activated within 48Hz ~ 120Hz.
  - * For supported GPUs, minimum PC system and driver requirements, please contact the GPU manufactures.

To activate this function, you need to do the following: turn off PIP/PBP.

- **Dynamic Dimming**: Synchronizes with contents while contrast changing to execute backlight dynamic dimming. You can adjust:
  - * **Speed**: Time to achieve the target dimming effect. Level 3 is the fastest and Level 1 is slowest.
  - * **Ratio**: Adjust the target dimming effect according to the maximum content values (Level 5) , to the average content (Level 1) or somewhere in the between (Level 4, 3, and 2).
  - * **ON/OFF**: Turn the function on or off.

To activate this function, you need to do the following: turn off PIP/PBP.

- **Power Saving**: Select **Normal Level** for power on hub during power saving. Select **Deep Level** for power off hub during power saving.

- **OSD Setup**:
  * Adjusts the **OSD Timeout** from 10 to 120 seconds.
  * Enables or disables the **DDC/CI** function.
  * Adjusts the OSD background from **Opaque** to **Transparent**.
  * Enables or disables the **Auto Rotation** function.



To activate OSD Auto Rotation, you need to do the following: turn off PIP/PBP.

- **Language**: There are 23 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian, Vietnamese.
- **Sound:**
  * Adjusts **Volume** from 0 to 100.
  * Mute or un-Mute the audio output.
  * Select audio input from PIP/PBP **Sources**.



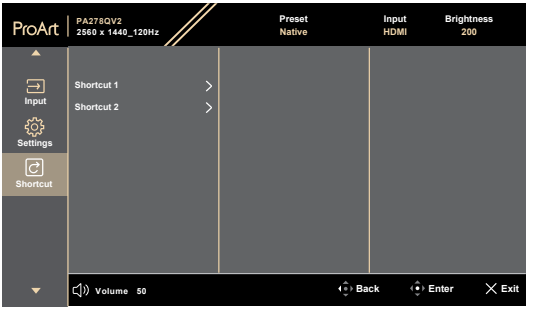
To activate Source function, you need to do the following: turn on PIP/PBP.

- **DisplayPort Stream**: Compatibility with graphic card. Select **DisplayPort 1.2** or **DisplayPort 1.4** by graphic card DP version.
- **Lock**:
  * **Key**: To disable all function keys. Push the 5-way button down for over 5 seconds to cancel the key lock function.
  * **Preset Setting**: To lock all parameters and disable (gray out) ProArt Pallet.
- **Power Indicator**: Turns the power LED indicator on/off.
- **Light Sync**: Adjusts backlight luminance and color temperature according to ambient light conditions.
  * **Ambient Brightness**: Adjust backlight luminance dynamically according to ambient lighting.
  * **Ambient Color Temperature**: Adjust color temperature dynamically according to ambient lighting.

- **ASUS Power Sync**: Connects the power on and shutdown control of the monitor and a NUC mini PC connected to it via HDMI port.
    * Switches on or off the monitor using the power button in the front bezel also turns on or off the NUC connected to it.
    * Switches on or off the NUC connected to also turns on or off the monitor.
- **Information**: Shows the monitor information.
- **All Reset**: “Yes” allows you to restore the default settings.

8. Shortcut

Defines the functions for Shortcut 1 and 2 buttons.



- **Shortcut 1/Shortcut 2**: Selects a function for Shortcut 1 and 2 buttons.

When a certain function is selected or activated, your shortcut key may not support. Available function choices for shortcut: Blue Light Filter, Brightness, ProArt Preset, HDR, PIP/PBP, Color Temp., Volume, Energy Saving, User Mode 1, User Mode 2.

3.2 Specifications summary

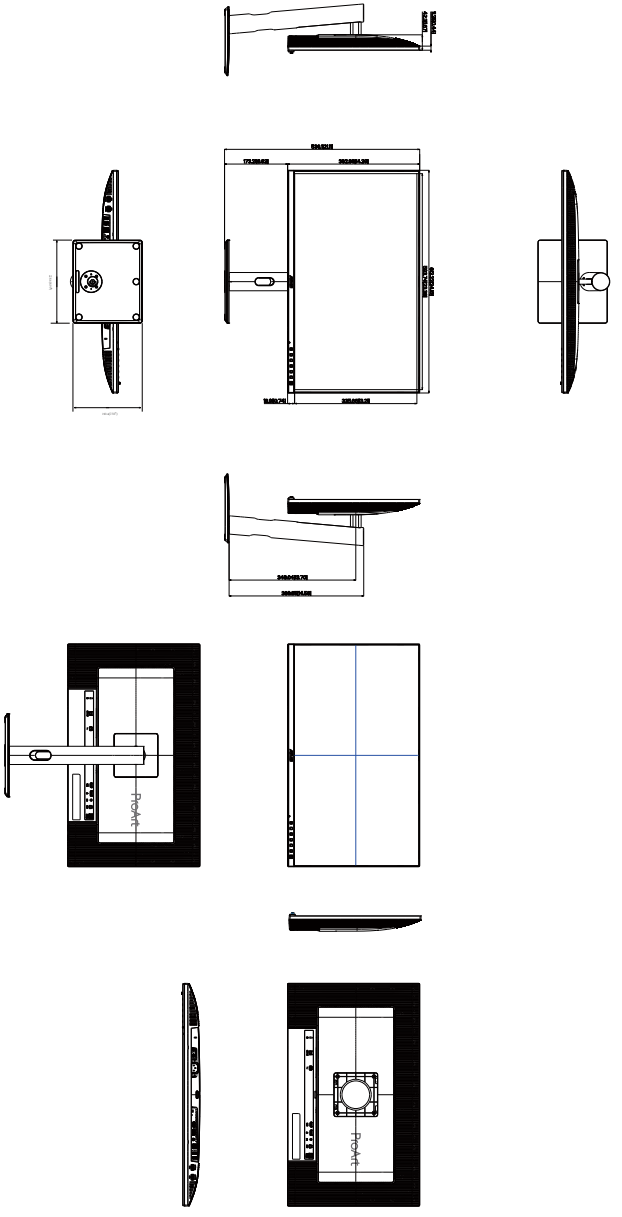
Panel Type	TFT LCD
Panel size	27" (16:9, 68.60 cm) wide screen
Max. Resolution	2560 x 1440
Pixel pitch	0.233 mm x 0.233 mm
Brightness (Typ.)	350 cd/m2
Brightness (HDR Min.)	300 cd/m2
Contrast Ratio (Typ.)	1500:1
Viewing angle (H/V) CR>10	178˚/178˚
Display colors	16.7 Million
Response time	5 ms (GTG)
ProArt Preset selection	10 color preset modes
Color temperature selection	6 color temperatures
Analog input	No
Digital input	DisplayPort v1.4, HDMI 2.1 (TMDS)
Digital Output	No
Earphone jack	Yes
Audio input	No
Speaker (Built-in)	2 W x 2
USB 3.2 port	1 x USB 3.2 Type-B 4 x downstream USB 3.2 Gen1 Type-A
Colors	Black
Power LED	White (On)/Amber (Standby)
Tilt	+23˚~ -5˚
Pivot	+90˚~ -90˚
Swivel	+30˚~ -30˚
Height Adjustment	130 mm
Kensington lock	Yes
AC input voltage	AC: 100~240V
Power consumption	Power On: 16.94 W**(Typ.), Power Standby: ≤ 0.5 W, DC Power Off: ≤ 0.3 W, AC Switch Off: 0 W
Temperature (Operating)	0˚C~40˚C
Temperature (Non-operating)	-20˚C~+60˚C
Dimension (W x H x D) without stand	612.2 mm x 362.9 mm x 46.9 mm
Dimension (W x H x D) with stand	612.2 mm x 536.1 mm x 190.4 mm (highest) 612.2 mm x 410.6 mm x 190.4 mm (lowest) 691 mm x 427 mm x 140 mm (package)
Weight (Esti.)	6.4 kg (Net); 4.7 kg (Net, without stand); 9.3 kg (Gross)

Multi-languages	23 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian, Vietnamese)
Accessories	Quick start guide, warranty card, power cord, HDMI cable (optional), DisplayPort cable (optional), USB B to A cable (optional), color calibration report
Compliance and Standards	cTÜVus, FCC, ICES-3, CB, Energy Star®, RoHs, California CEC, Windows 10/11 WHQL, Mac Compliance, TÜV Flicker Free, TÜV Low Blue Light, VESA MediaSync Display, Calman Verified

***Specifications are subject to change without notice.**
****Power consumption of On Mode as defined in Energy Star 8.0 version.**

3.3 Outline dimensions

ASUS PA278QV2 Outline Dimension
*Unit: mm(inch)



3.4 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ button to check if the monitor is in the ON mode. • Check if the power cord is properly connected to the monitor and the power outlet. • Check if the power switch is ON.
The power LED lights amber and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected the monitor and the computer. • Inspect the signal cable and make sure none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform All Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
No sound or sound is low	• Ensure that the HDMI/DisplayPort/USB Type-C cable is properly connected to the monitor and the computer. • Adjust the volume settings of both your monitor and HDMI/DisplayPort/USB Type-C device. • Ensure that the computer sound card driver is properly installed and activated.

3.5 Supported operating modes

Resolution Frequency	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel (MHz)
640x480	31.469 (N)	59.94 (N)	25.175
640x480	37.5 (N)	75 (N)	31.5
800x600	37.879 (P)	60.317 (P)	40
800x600	46.875 (P)	75 (P)	49.5
1024x768	48.363 (N)	60.004 (N)	65
1024x768	60.023 (P)	75.029 (P)	78.75
1280x960	60 (P)	60 (P)	108
1280x1024	63.981 (P)	60.02 (P)	108
1280x720	45 (P)	60 (P)	74.25
1600x1200	75 (P)	60 (P)	162
1920x1080	67.5 (P)	60 (P)	148.5
2560x1440	88.787 (P)	60 (N)	241.5
2560x1440	182.996 (P)	120 (N)	497.75
1920x1080	137.26 (P)	120 (N)	285.5
2560x1440	111.857 (P)	75 (N)	304.25
2560x1440	88.695 (P)	60 (N)	241.25
2560x1440	43.75 (P)	30 (N)	119
2560x1440	34.926 (P)	24 (N)	95
1280x1440	88.715 (P)	60 (N)	127.75
1280x1440	182.986 (P)	120 (N)	263.5
1280x1440	111.806 (P)	75 (N)	161
1920x1080	66.587 (P)	60 (N)	138.5

"P" / "N" stands for "Positive" / "Negative" polarity of incoming H-sync/V-sync (input timing).

When the monitor is operating in the video mode (ie, not displaying data), the following high definition modes shall be supported in addition to standard definition video.

Resolution	Vertical Frequency (Hz)
3840 x 2160p	50Hz
	60Hz
1920 x 1080p	24Hz
	25Hz
	30Hz
	50Hz
	60Hz
	100Hz
	120Hz
1280 x 720p	50Hz
	60Hz
720 x 576p	50Hz
720 x 480p	59.94Hz
640 x 480p	59.94Hz

