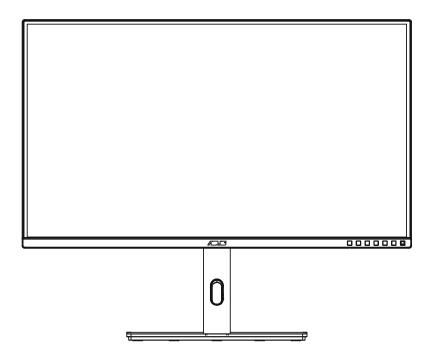


# PA328CGV Series LCD Monitor

# **User Guide**





#### **Table of contents**

| TCO C   | ertified   |   | iii |
|---------|--|---|-----|
| Notices | S  |   | iv  |
| Safety  | informat   | ion   | vi  |
| Care &  | Cleaning   | g   | x   |
| 1.1     | Welcome! 1                                       |   |     |
| 1.2     | Package contents1-                               |   |     |
| 1.3     | Assembling the monitor1-2                        |   |     |
| 1.4     | Assembling the C-Clamp1-                         |   |     |
| 1.5     | <b>Connect</b> 1.5.1                             | t <b>cables</b> Rear of the LCD monitor                                   |     |
| 1.6     | Monitor<br>1.6.1                                 | Using the Controls button   |     |
| 2.1     | Adjusting the monitor2-1                         |   |     |
| 2.2     | Detaching the arm/stand (for VESA wall mount)2-2 |   |     |
| 2.3     | Outline  | dimension   | 2-3 |
| 3.1     | OSD (Or<br>3.1.1<br>3.1.2                        | n-Screen Display) menu<br>How to reconfigure<br>OSD Function Introduction | 3-1 |
| 3.2     | Specifications3-14                               |   |     |
| 3.3     | Troubleshooting (FAQ)3-15                        |   |     |
| 3.4     | Supported Timing List3-16                        |   |     |

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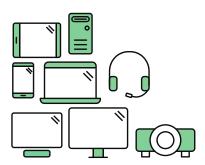
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#### **TCO Certified**

A third-party certification according to ISO 14024





# 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.

**This product is a better choice**. It meets all the criteria in TCO Certified, the world's most comprehensive sustainability certification for IT products. Thank you for making a responsible product choice, that help drive progress towards a more sustainable future!

Criteria in TCO Certified have a life-cycle perspective and balance environmental and social responsibility. Conformity is verified by independent and approved verifiers that specialize in IT products, social responsibility or other sustainability issues. Verification is done both before and after the certificate is issued, covering the entire validity period. The process also includes ensuring that corrective actions are implemented in all cases of factory non-conformities. And last but not least, to make sure that the certification and independent verification is accurate, both TCO Certified and the verifiers are reviewed regularly.

#### Want to know more?

Read information about TCO Certified, full criteria documents, news and updates at **tcocertified.com.** On the website you'll also find our Product Finder, which presents a complete, searchable listing of certified products.

#### **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.



#### NOTE: This monitor is ENERGY STAR certified.

This product qualifies for ENERGY STAR® in the factory default (Home configuration) setting. Changing the factory default settings or enabling other features may increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR®. Refer to ENERGYSTAR.gov (www. energystar.gov) for more information on the ENERGY STAR® program.

#### **Declaration of Conformity**

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), ErP Directive (2009/125/EC) and RoHS directive (2011/65/EU). This product has been tested and found to comply with the harmonized standards for Information Technology Equipment, these harmonized standards published under Directives of Official Journal of the European Union.

#### **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.

Please confirm the distribution system in building installation shall provide the circuit breaker rated 120/240V, 20A (maximum).

If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.

Stability Hazard.

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

A product may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

ALWAYS use cabinets or stands or installation methods recommended by the manufacturer of the product set.

ALWAYS use furniture that can safely support the product.

ALWAYS ensure the product is not overhanging the edge of the supporting furniture.

ALWAYS educate children about the dangers of climbing on furniture to reach the product or its controls.

ALWAYS route cords and cables connected to your product so they cannot be tripped over, pulled or grabbed.

NEVER place a product in an unstable location.

NEVER place the product on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the product to a suitable support.

NEVER place the product on cloth or other materials that may be located between the product and supporting furniture.

NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the product or furniture on which the product is placed.

If the existing product is going to be retained and relocated, the same considerations as above should be applied.

Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphones and headphones output voltage and therefore the sound pressure level.



- 1. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- 2. Contact your local government for information regarding the collection systems available.
- 3. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- 4. When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

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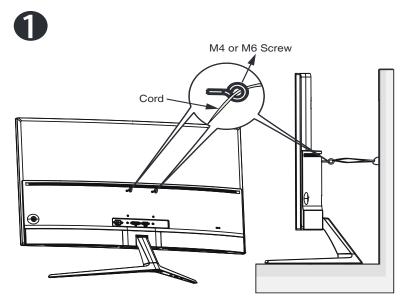
Contact your local government for information regarding the collection systems available.

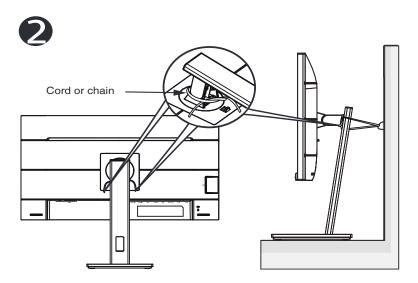
If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

#### **Prevent Tipping**

When using the display, fasten the LCD to a wall using a cord or chain that can support the weight of the monitor in order to prevent the monitor from falling.







- Display design may differ from those illustrated.
- Installing must be done by a qualified technician, and please contact your supplier for more information.
- For the Models with net weight >=7kg. Please select the suitable way to Prevent Tipping.
- For the models with VESA Mount, please use method ①, install the screws with ring to the VESA Mount hole, then tie the cord or chain to the wall. Otherwise, please use method ② to tie the cord or chain to the stand and then fix it to the wall.

# **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 <a href="http://csr.asus.com/english/Takeback.htm">http://csr.asus.com/english/Takeback.htm</a> 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
- ✓ Stand/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
- ✓ C-Clamp

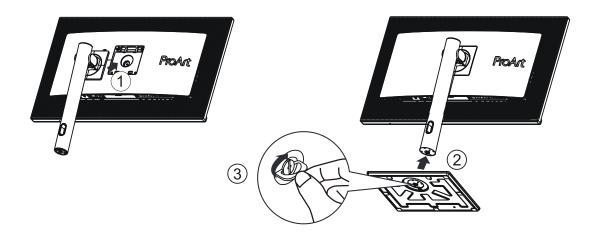


- If any of the above items is damaged or missing, contact your retailer immediately.
- \* Also the Replaceable parts required by the TCO Certified.

# 1.3 Assembling the monitor

#### To assemble the monitor:

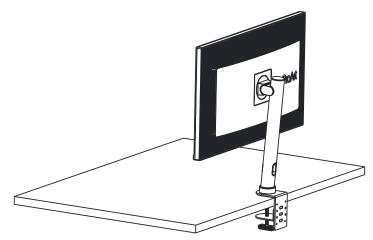
- Insert the stand into the monitor head, Align the screw hole on the arm with the bundled screw on the base. Then insert the base into the arm.
- 2. Fix the base to the arm by fastening the bundled screw.



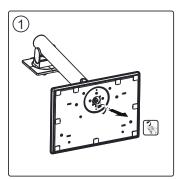
\*Base screw size: M6 x 17mm

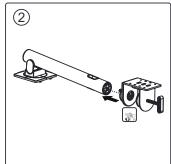
# 1.4 Assembling the C-Clamp

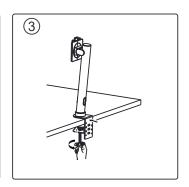
1. The C-Clamp attaches the monitor to surfaces up to 8cm thick, Before starting, make sure you have enough room to fit the entire clamp and the surfaces is sturdy and flat.

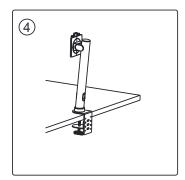


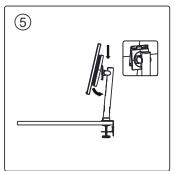
2. Follow the illustrations below to mount the monitor.

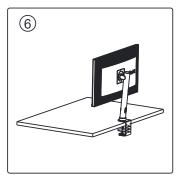






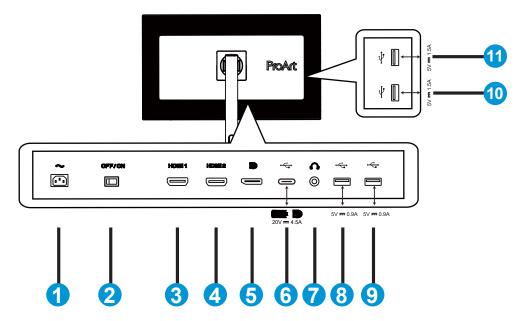






#### 1.5 Connect cables

#### 1.5.1 Rear of the LCD monitor



- 1. AC-IN Port
- 2. Power Switch
- 3. HDMI1 Port
- 4. HDMI2 Port
- 5. DP in Port
- 6. USB 3.2 Gen 1 Type-C
- 7. Earphone out Port
- 8. USB 3.2 Gen 1 Type-A
- 9. USB 3.2 Gen 1 Type-A
- 10. USB 3.2 Gen 1 Type-A
- 11. USB 3.2 Gen 1 Type-A

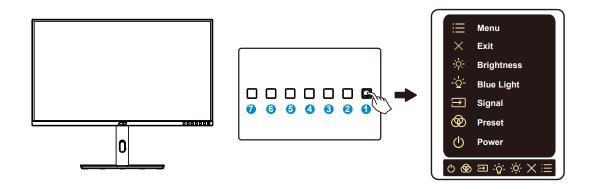


This monitor is Super-Speed USB 3.2 Gen 1 compatible (5 Gbps). The port offers Max. 90W power delivery with output voltage 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A and 20V/4.5A. Connecting the USB Type-C cable can input the DisplayPort source, output power and enable the USB Type-A ports (downstream) on the monitor. Connecting the USB Type-C to Type-A cable only enables the USB Type-A ports (downstream) on the monitor.

#### 1.6 Monitor introduction

#### 1.6.1 Using the Controls button

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



- 1. Henu (5-way) button:
  - Press this button to enter the OSD menu.
  - Enacts the selected OSD menu items.
  - Increases/Decreases values or moves your selection up/down/left/right.
- 2. X Close Button:
  - Exit the OSD menu.
- 3. Shortcut 1:
  - Default: Brightness hotkey
  - To change the hotkey function, go to the Shortcut > Shortcut 1 menu.
- 4. Shortcut 2:
  - Default: Blue light filter hotkey
  - To change the hotkey function, go to the Shortcut > Shortcut 2 menu.
- 5. Input Select Button
  - Use this hotkey to switch from HDMI-1, HDMI-2, DisplayPort, USB Tpye-C
- 6. ProArt Preset
  - Press this button to select Preset mode.

# 7. **U** 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          |

1-6 Chapter 2: Setup

# 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 +23° to -5° and it allows 30° swivel adjustment from either left or right.

