



**Powerology**

**32" Android  
Smart Screen**

SKU: P32TSMWH



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## Product Overview

The Powerology 32" Android Smart Screen is a versatile and modern display designed for both entertainment and productivity. Featuring a sleek design with a 13MP camera, it offers a Full HD 1080p resolution for clear and vibrant visuals. The device operates on Android 13, providing access to a variety of applications, including popular streaming services such as Netflix and YouTube. It is equipped with a built-in battery, ensuring convenience and portability for various settings. The smart screen is ideal for personal use, meetings, or as a multimedia device for entertainment, making it a practical addition to any space.

## Specifications

Operating System	Android 13
8 Core CPU	4 Cores @ 2.0GHz (ARM Cortex-A73), 4 Cores @ 2.0GHz (ARM Cortex-A53)
Ram & Memory	6GB + 128GB
Refresh Rate	60Hz
Screen Size	32"
Screen Resolution	1920 x 1080
Input	100-240V, 50/60Hz
Battery Capacity	15000mAh, 12.8V (192Wh)
Power Supply	108W, 18V/6A
Speaker	2 × 5W
Camera	13MP
Product Dimension	45 x 433 x 733mm (Without Base), 433 x 733 x 1450 (With Base)
Net Weight	14.5KG

## Safety Precautions

This instruction booklet contains important safety information. Please read it carefully and keep it for future reference.

**1.** To avoid potential fire hazards, refrain from storing the product in the following locations as it could result in fire hazards, electric shock, malfunction, or damage to the product:

- a.** Prolonged exposure to direct sunlight.
- b.** High-humidity environments, such as bathrooms.
- c.** Proximity to heat sources, such as stoves or other heaters.
- d.** Contact with steam or oily fumes, such as kitchens or humidifiers.
- e.** Exposure to rainwater or moisture.
- f.** Placement near flammable substances, such as gasoline or candles.
- g.** Areas prone to dust accumulation.
- h.** Unstable or high places, such as shelves or desks.

**2.** Place the product in a well-ventilated space to prevent overheating. Avoid placing it in a narrow space that may restrict the airflow.

**3.** Never cover the product with materials such as clothes or blankets, as this can restrict airflow and cause the device to overheat, posing a fire risk.

**4.** After prolonged use, the product's ventilation port may become hot. Avoid touching the ventilation port to prevent burns or injuries.

**5.** To avoid product damage and potential electric leakage, prevent the power cables from twisting, bending, or cutting. If the power cables are damaged, do not use the device and seek professional assistance.

**6.** When connecting the power cable, make sure the power interface is securely and correctly connected to the device.

A loose or poor connection can damage the product and pose a risk of electric shock. Do not move the product while connecting the power cable to avoid accidents.

- 7.** Do not remove the product's power cable by force. Be sure to handle with caution when connecting to or removing the power cable from the power source.
- 8.** To avoid fire hazards or electric shock, do not connect too many devices to a single power supply source. Always follow the installation instructions to prevent damage or injury caused by improper assembly. Place the product in a secure area to avoid any damage or injury.
- 9.** Ensure that the product's adapter is connected to a three-pole grounded AC socket. Always connect the grounding wire to avoid electric shock. In case of lightning, do not touch the product, as it may cause electric shock.
- 10.** Do not drop any metals into the product. If foreign materials enter the product, immediately remove the power cable and contact customer service.
- 11.** In any of the following situations, turn off the power supply to the product and contact customer service:
  - a.** If the product is damaged.
  - b.** If water or any other foreign matter enters the product.
  - c.** If the product produces smoke or any unusual odor.
- 12.** Avoid using high-voltage electronic equipment around the product, as it may cause faults or signal interference. Always use authorized parts and components to prevent electric shock or malfunction.
- 13.** Do not attempt to modify the product. Doing so may cause fire hazards or electric shock. For repairs or service, contact customer service or authorized repair personnel.
- 14.** Do not dismantle the AC adapter or power cable, as this could lead to fire hazards or electric shock.
- 15.** Avoid dropping or hitting the product.
- 16.** To reduce the risk of fire or electric shock, do not touch the product with wet hands.
- 17.** Make sure to wipe off any water or dust from the power plug.
- 18.** Do not apply unreasonable pressure or use sharp objects to press

the product's screen, as this may cause product damage and personal injury.

19. When cleaning the product, always remove the power cable and wipe the surface gently with a dry cotton cloth.

20. Do not spray water or any other liquids directly onto the product.

21. Avoid using harmful chemicals such as glass cleaner, air freshener, insecticide, lubricant, automotive or industrial wax, polishing agent, diluent, benzene, or alcohol to clean the product. Using these substances may cause electric shock or damage to the product.

22. If you notice any battery liquid leakage in the base, stop using the product immediately to avoid skin and eye contact. Accidental contact may lead to blindness or burns. Flush the affected area with water immediately and seek medical assistance.

23. The battery may fail to recharge properly or have a reduced lifespan if it is completely discharged or left idle for an extended period.

24. Unauthorized disassembly or assembly of product parts without consulting the manufacturer may lead to product failure, and you will not be entitled to maintenance services.

25. Do not push or kick the product.

26. Do not suspend or place heavy objects on the product.

27. Avoid moving or sliding the product while it is resting on its base.

28. Do not exceed the product's limit angle by force.

### **Safety Warning (Stability Hazards)**

Serious injury may occur if the display is unstable. To prevent injury, please follow these guidelines:

1. Use the recommended stand and mounting methods.

2. Ensure the product is placed on level ground.

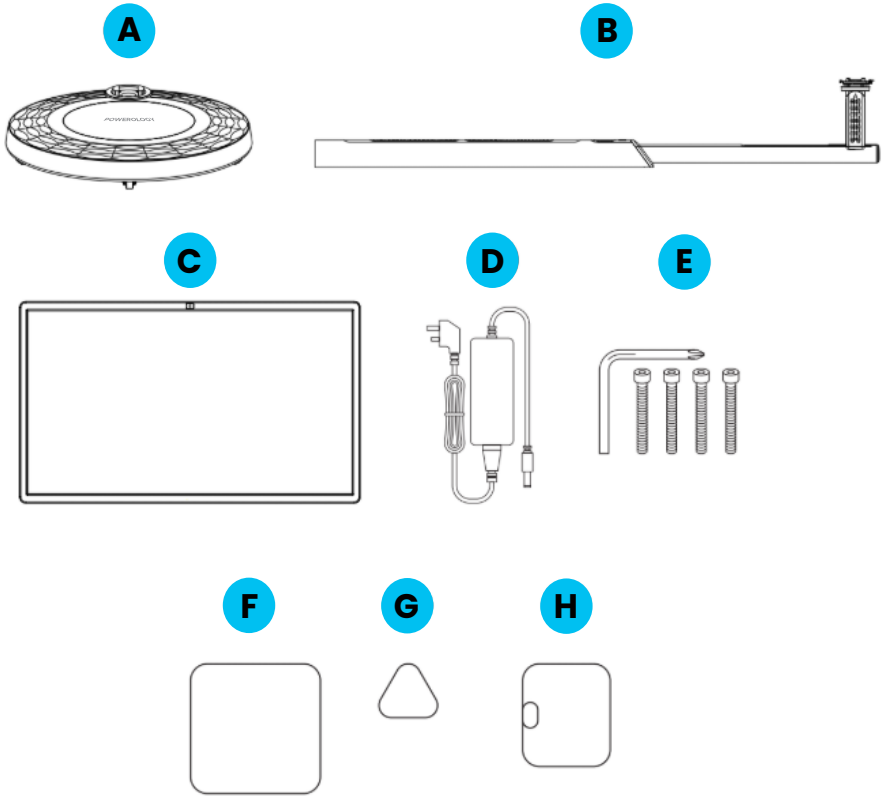
3. Inform children about the dangers of climbing on or touching the display or stand.

4. Keep the product's power wires and cables neatly arranged to avoid tripping or dragging.

5. Do not place the product on high or tilted surfaces.

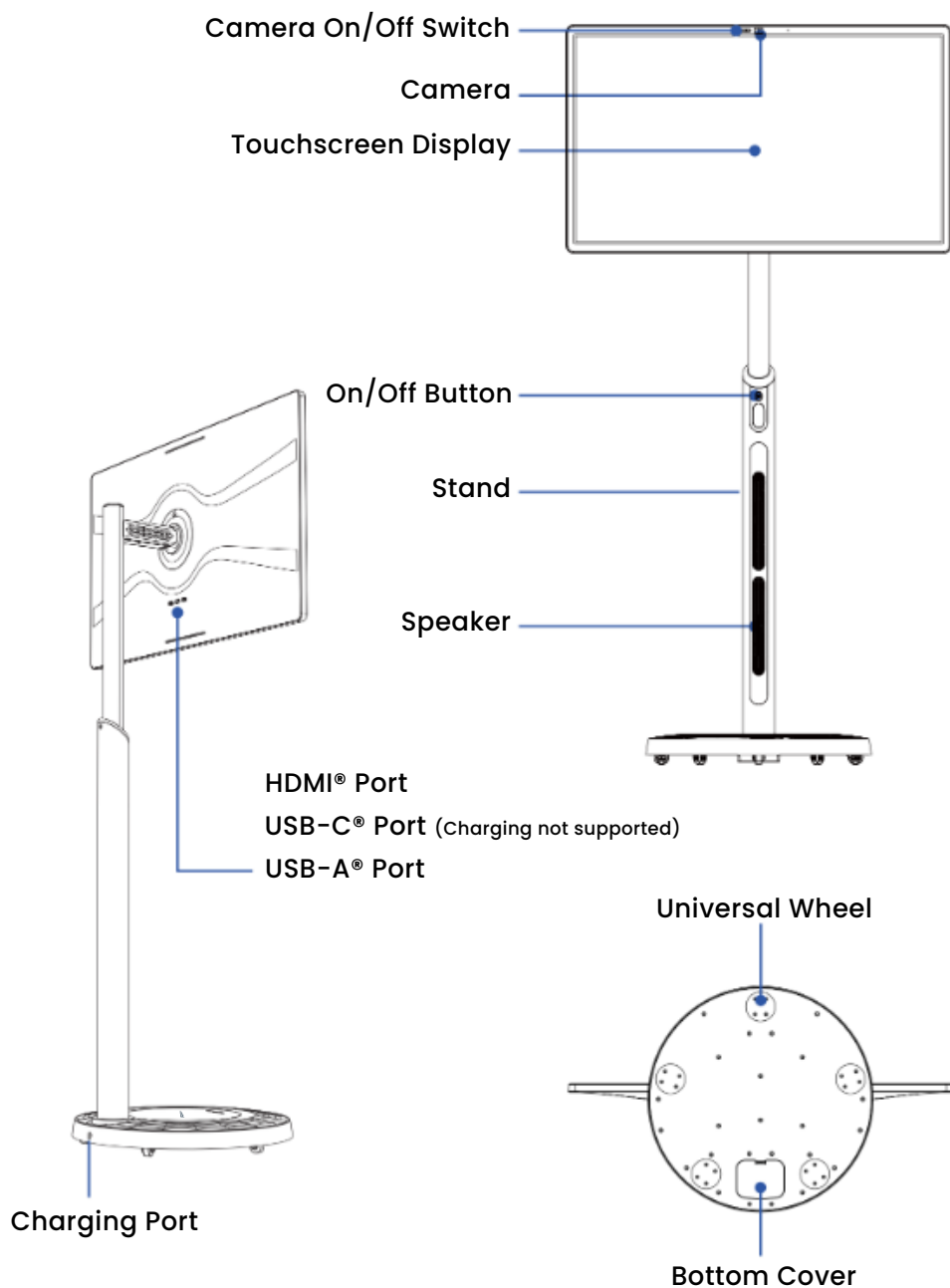
**6.** Avoid placing objects, such as toys, on the product or stand, as this may encourage children to climb onto the product.

## Package Contents



- a.** Base
- b.** Stand
- c.** Monitor
- d.** Power Adapter
- e.** Hex Wrench, (4) Hex Screws
- f.** Warranty Card
- g.** Pry Tool
- h.** Bottom Cover

## Schematic View





## Battery Usage and Care

The product's movable base comes with a built-in battery to allow operation for a certain period without being connected to a power supply.

### Note:

1. The power supply indicator shows the status of the external power supply. A green light indicates that the external power supply is connected successfully. If the light is off, it means the power supply is disconnected.
2. The built-in battery can be fully charged in approximately 7 hours.
3. The battery's lifespan will decrease over time and with usage.
4. The battery may not charge properly if the temperature is below 32°F.
5. To extend the battery's life, it is recommended to use the battery for a while before recharging, instead of keeping it fully charged at all times.
6. Keep the battery's power level around 50% to help prolong its service life.
7. The actual usage time may vary depending on conditions such as connected devices, surrounding temperature, and other product settings.

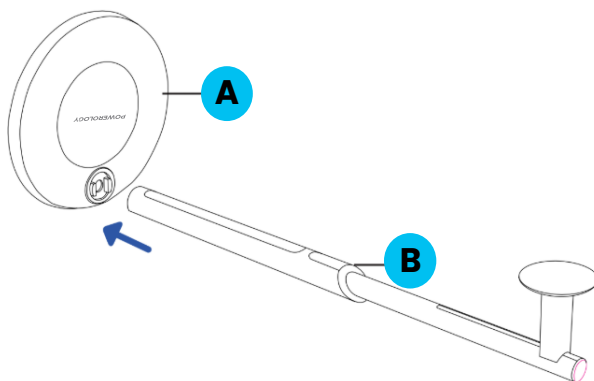
### Warning:

Using the wrong battery can be dangerous and may cause an explosion. Always handle the battery with care and avoid trying to dismantle or replace it yourself.

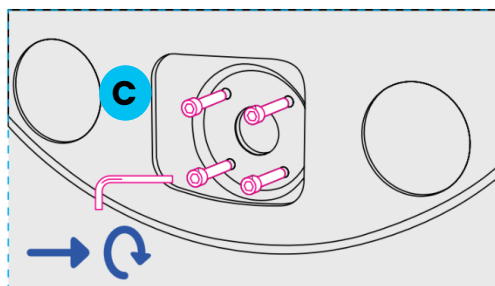
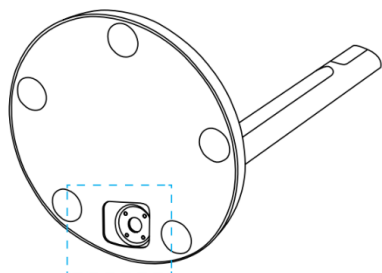
- a. Do not disassemble, drop, or throw the battery into fire.
- b. If the battery shows signs of swelling, stop using it immediately.
- c. Do not place the battery in a high-temperature environment.
- d. Do not use the battery if it has been immersed in water.

## Assembly Instructions

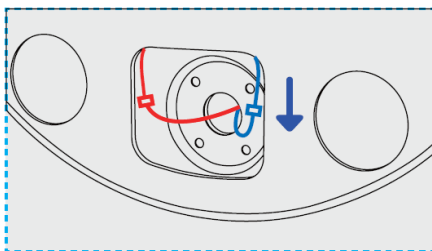
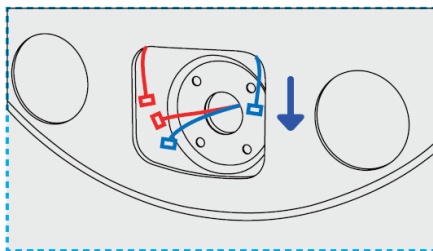
1. Remove the Base (A) and the Stand (B) from the case. Align the hole at the front of the Base with the Lower Stand, then insert the Stand into the hole. Ensure the connection is fastened securely.



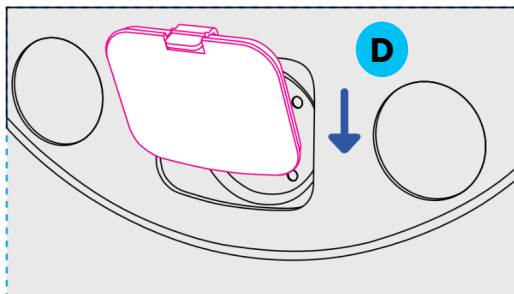
2. Using the hex wrench and four hexagon screws (C), rotate the screws clockwise at the bottom of the mobile Base to secure them.



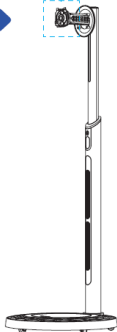
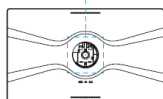
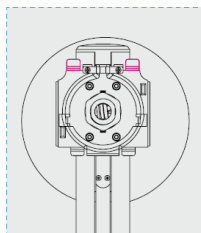
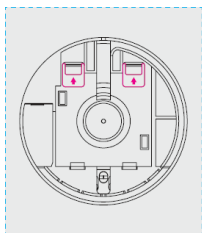
3. You will now see two pairs of wires that need to be connected. Connect the matching wire clips together (i.e., connect red to red and blue to blue). Ensure that each connected pair is fully snapped together and securely attached.



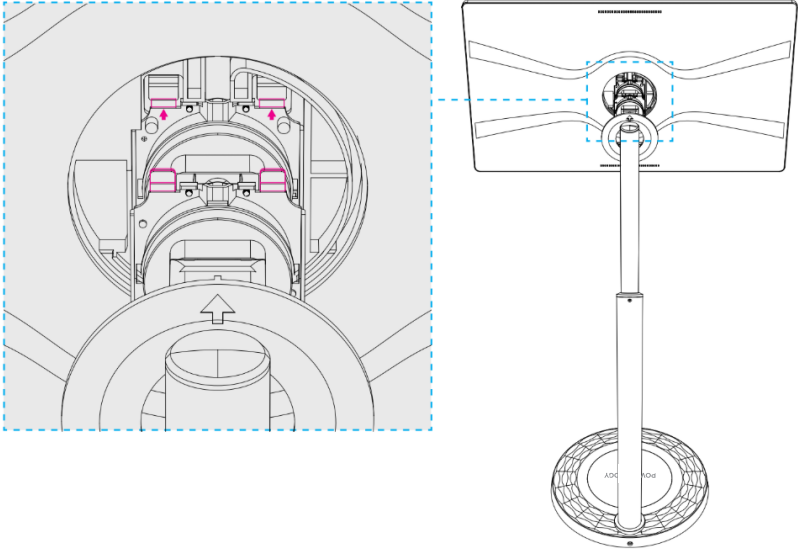
**4. Install the Bottom Cover (D) as shown below.**



**5. Position the installed stand upright on a level surface. Locate the positioning column as shown below. Remove the Monitor from the box and identify the mounting holes on the back of the Monitor.**

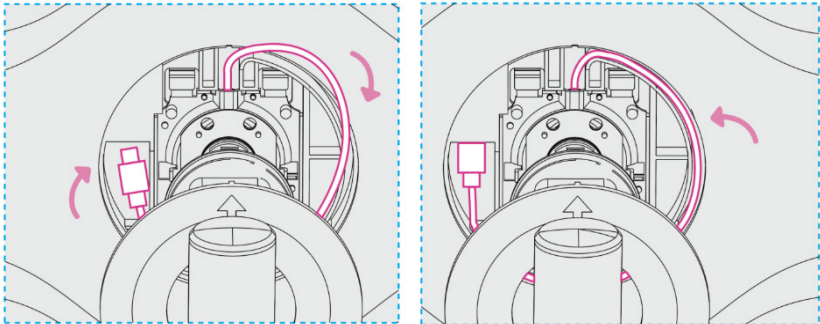


**6.** Hold the Monitor with both hands, ensuring the touchscreen display is facing you. Align the mounting holes with the positioning column, making sure they are correctly lined up. Release the Monitor slowly. You should hear a "click," which means the display is securely locked in place.



**Note:** The camera should be at the top of the display. Do not flip the display.

**7.** Insert the stand's power cable clockwise into the power interface at the back of the Monitor.



Cross the cable over the top and insert it into the power interface at the back of the display.

Fix the cable into the cable groove.

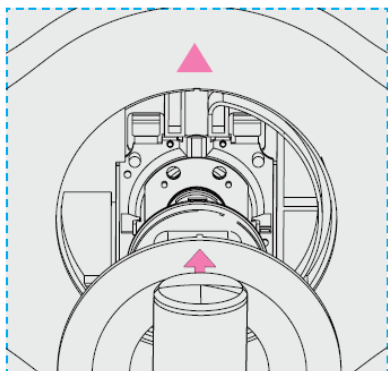
**Note:**

**a.** Ensure the cable is connected correctly and firmly to avoid damage to the product or personal injury due to poor power supply contact.

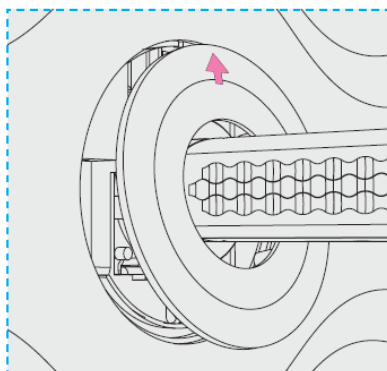
**b.** Once the cable is connected, press the "ON/OFF" button on the lifting rod to power on the product.

**c.** If the product fails to start, check that the cable is properly connected, or try reconnecting the Power Adapter at the Base.

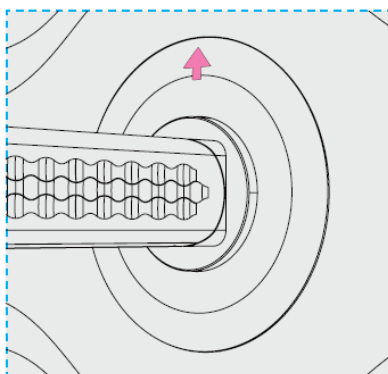
**8.** Install the Monitor Cover by following these steps:



**a.** Locate the triangle indication mark on the back of the Monitor.



**b.** Locate the triangle indication mark on the cover.



**Note:**

To remove the monitor cover, locate the slot and use a flathead screwdriver to lift it. Do this carefully to avoid product damage or personal injury.

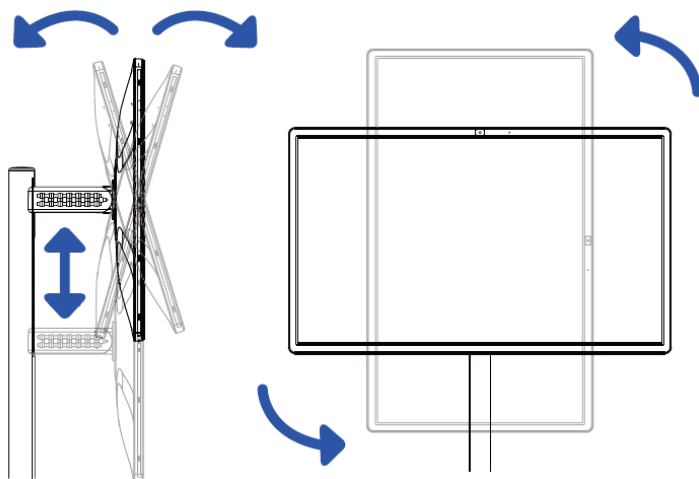
**c.** Align the two indicator marks and position them to fasten the monitor cover to the Monitor.

## Angle Adjustment Guide

The display's angle and height can be adjusted to provide an optimal viewing experience in various scenarios.

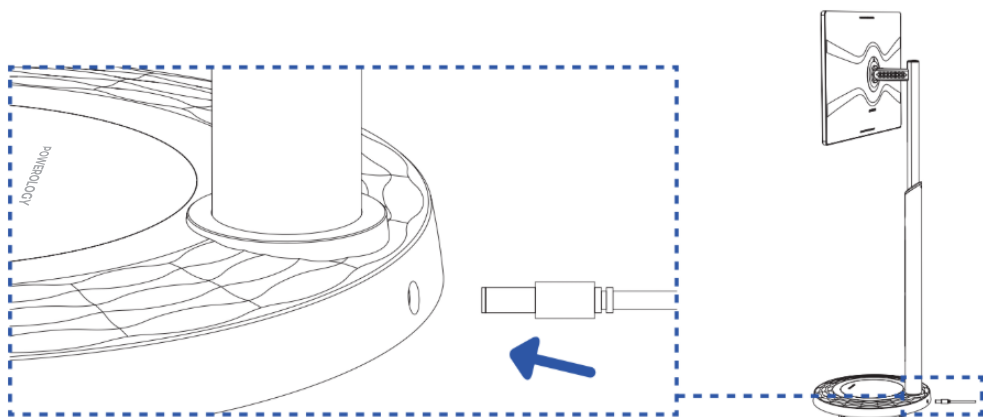
1. The display supports 180° rotation (90° to the left and 90° to the right).
2. It allows a tilt adjustment of (-20°/+25°) 45° and a height adjustment of up to 7 inches.

**Note:** The actual angle may vary slightly due to external factors.



## Powering On Instructions

1. Insert the Power Adapter into the charging port. Once connected, refrain from unplugging it. Upon powering on the device, the indicator light on the product's stand will flicker, indicating that the base is turning on.
2. During initial use, ensure the Power Adapter is correctly connected to enable optimal operation.
3. To power on the product, press and hold the ON/OFF button on the stand for 3 seconds.

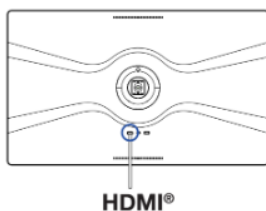


### Note:

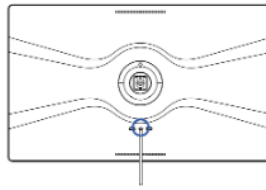
- a.** To prevent product damage and personal injury, keep the device in a vertical position at all times and avoid laying it flat.
- b.** Keep hands clear of the base.
- c.** When moving the product, hold the middle section of the stand securely to avoid damage and reduce the risk of injury.
- d.** If foreign matter gets stuck on the stand or base, gently clean it using a clean, damp paper towel or cloth.

## Connecting Guidelines

This device can be connected to other devices through HDMI®, USB-C®, and USB-A® cables.

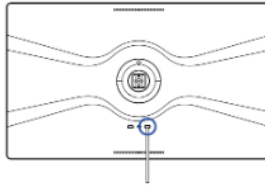


You may connect a laptop to the display via HDMI® cable to use the display as an external monitor. The device does not support the connection of other products using the same interface.



**USB Type-C®**

Connects to external hard drive, flash drive, card reader, keyboard, and mouse.



**USB Type-A®**

Connects to external hard drive, flash drive, card reader, keyboard, and mouse.

### Note:

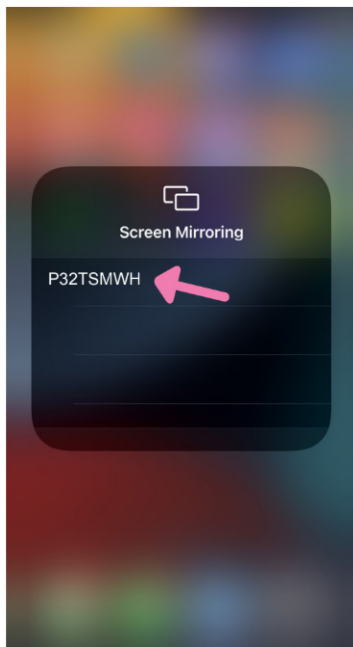
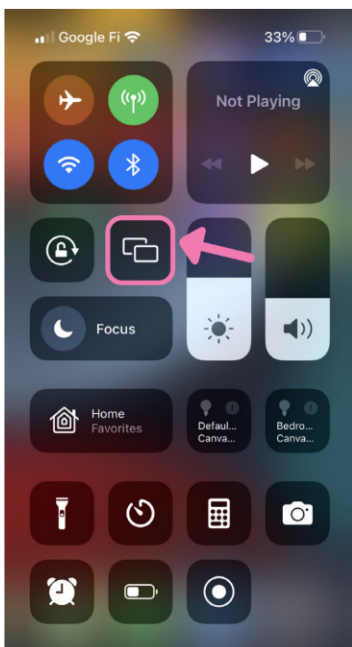
When the device is connected to a PC or laptop, some images may have display errors, depending on the graphics card.

## Screen Mirroring Instructions

### a. Screen Mirroring on iOS Devices

1. Ensure that your iOS device and the TV are connected to the same network.
2. On your iOS device, navigate to the Control Center and tap on the Screen Mirroring widget.
3. Tap on the device "P32TSMWH" to connect and start mirroring.





## **b. Screen Mirroring on Android™ Devices**

### **Method 1**

1. Ensure that your Android™ device and the TV are connected to the same network.
2. On your Android™ device, navigate to the Control Center and tap on the Screen Cast widget. Tap on the device "P32TSMWH" to connect and start casting.

### **Method 2**

Navigate to <http://usbdisplay.cn> and download the app on your Android™ device. Then select "P32TSMWH" to connect and start casting.

## **c. Screen Mirroring on Laptops**

1. Navigate to <http://usbdisplay.cn> and download the app on your laptop, then connect to the Rolling TV's hotspot "P32TSMWH\_XXXX".
2. Run the client app on your laptop, select "P32TSMWH\_XXXX", then follow the instructions to start mirroring.

## Troubleshooting

### 1. No Image and Sound

- a.** Please check if the product is powered on normally.
- b.** Ensure the power adapter is powered on correctly.
- c.** Connect other devices to the power outlet to check if the outlet is working.
- d.** Make sure the power cable at the back of the display is properly connected.

### 2. The Product Has Unexpected Shutdown

- a.** Check if the battery is low.
- b.** Ensure that the auto shutdown function is not within the set time period.
- c.** Check if the product has entered Eco mode and the display is under auto shutdown status.
- d.** If the battery is overheating, the product will shut down automatically to trigger the protection mechanism.

### 3. No Signal When External HDMI® Device Is Connected

- a.** Please reboot the product.
- b.** Reconnect the HDMI® cable.
- c.** After rebooting the product, restart the external HDMI® device.

### 4. Display Error

- a.** The product's display has millions of pixels, and tiny black spots or color light spots may appear on the display in PPM units. These do not indicate an abnormal display status and do not affect the product's performance and reliability.
- b.** When viewing the product in different locations, the user may notice variations in brightness and display colors. This is a normal occurrence and is related to the product's characteristics, not its performance.

### 5. Abnormal Sound

Circuit buzzing/display signal noise: The product may emit low noise due to high currents when the circuit has high-speed switching. This does not affect the product's performance or reliability.

## FCC Statement

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

(1) This device may not cause harmful interference; and  
(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates 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 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 assistance.

RF warning statement:

The device has been evaluated to meet general RF exposure requirements. The device can be used in portable exposure conditions without restriction.

## Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

## Warranty

Products that you buy directly from our **Powerology** website or shop come with a 12-month warranty.

The 12-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **<https://www.powerology.me/warranty>** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 12-month warranty period.

For more info, please check:  
**<https://www.powerology.me/warranty>**

## Contact Us

If you have any questions about this Privacy Policy, please contact us at: **[hey@powerology.me](mailto:hey@powerology.me)**

Website: **<https://www.powerology.me/>**

Instagram: **powerology\_official**

Facebook: **powerology.ME**