



**Powerology**

**Touch Screen  
Portable Monitor**

SKU: PHSD215GY

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## Preface

Thank you for choosing our innovative portable desktop smart monitor. Before setting up the device, please carefully review this user manual to ensure a proper understanding of the setup instructions and important safety precautions.

## Precautions

- 1.** When cleaning the screen of the mobile smart all-in-one machine, ensure the power cord is unplugged and the power switch is turned off. Do not use liquid cleaning fluids or spray cleaners.
- 2.** Use a soft, damp cloth to wipe the screen. If necessary, use an LCD screen cleaner.
- 3.** Only use accessories recommended by the manufacturer. Using unauthorized accessories may be dangerous.
- 4.** When unplugging the power cord connected to the chassis power adapter, hold the power plug and unplug it carefully. Do not pull the power cord directly.
- 5.** If any of the following issues occur, disconnect the power plug of the power adapter and contact qualified maintenance personnel for assistance:
  - The power cord or power plug is damaged or worn.
  - The mobile smart screen has fallen or the casing is damaged.
  - The screen displays abnormal behavior, indicating a need for repair.
- 6.** Ensure the unit is placed in a well-ventilated environment, away from strong light, high temperatures, or humidity.

**7.** Store the unit at a room temperature of 0°C–40°C and below 5000 meters above sea level. Exceeding these conditions may affect normal operation.

## **Important Tips**

- 1.** The gaps and openings on the machine are essential for ventilation and heat dissipation. Ensure that these areas are not blocked or covered.
- 2.** In the event of a malfunction, do not attempt to disassemble or repair the machine yourself. Contact the original manufacturer or an authorized dealer for assistance.
- 3.** Avoid stepping on the power supply or power adapter to prevent potential hazards such as leakage. If the power adapter's wire is damaged, discontinue use immediately as it may pose a danger.
- 4.** Always unplug the power cord during thunderstorms or when the machine is not in use for extended periods.
- 5.** During transportation, handle the display screen carefully and avoid applying excessive pressure. Keep the screen protected from sharp objects or impact.
- 6.** Ensure that children are aware of the risks associated with climbing the product, as tipping over or falling could result in serious injury. Avoid placing the product in an unstable or tilted position.
- 7.** Arrange cables connected to the product in an orderly manner to prevent tripping, pulling, or accidental grabbing.

**Note:** If consumers use a power adapter to charge the device, they should purchase one that is locally certified and meets standard requirements.

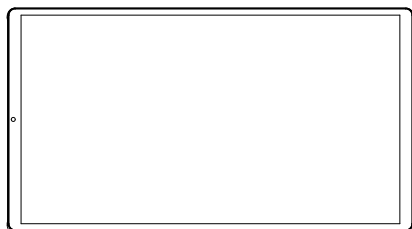
# Specifications

Size	21.5-inch
Type of Display	IPS
Screen Ratio	16:9
Resolution	1080 x 1920p
Brightness	200-250cd/m2
Contrast Ratio	1000:1 (Typ)
Refresh Rate	60 Hz
Viewing Angle	H: 178°, V: 178°
Visible Area (HxV)	260.28 x 478.656 mm
Color Gamut	100% sRGB
Display Color	16.7M (8 bit)
Motherboard Model	MTK 8786
OS Version	Android 15
CPU	2x ARM Cortex-A2.0 @ 75 GHz, 6x ARM Cortex-A1.8 @ 55 GHz
RAM	3G/4G/6G (Optional)
ROM	64G/128G (Optional)

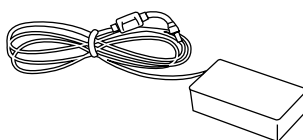
Wireless Connection	Wi-Fi 2.4G/5G, Bluetooth 5.0, Hotspot
Touch Type	Capacitive COB G+G
Multi-Touch	10-point
Touch Tool	Finger, stylus, or other conductive object
Working Temperature	Normal operating temperature: 0°C - 40°C; Normal operating humidity: 20% - 80%
Shell Material	ABS
Case Color	Grey
Type-C	x1 Support OTG
DC Interface	x1 DC3513 Mother Charging Port
Power Button	x1 (with indicator light)
Volume+ Button	x1
Volume- Button	x1
Built-in Speakers	Built-in sound chamber speaker 3Ω 4W ×2
G-Sensor	Supported
Built-in Camera	13 MP
Built-in Microphone	Noise reduction MIC 4015
Adapter	AC: 100-240V, DC: 15V/2.4A

Battery	12,600 mAh (5936143 cell 3-in-11.1 ,1V, 4200 mAh, 46.62 Wh)
Rated Power	≤36W
Working Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 60°C
Working Humidity	20% ~ 80% RH Non-Condensing
Storage Humidity	10% ~ 80% RH Non-Condensing
Altitude	≤5000 meters
Net Weight	0.2 ± 3.7 kg
Gross Weight	0.2 ± 6.3 kg
Complete Machine (LxWxH)	12 x 279.3 x 512.8 mm
Package (LxWxH)	83 x 378 x 600 mm

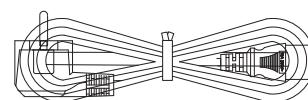
## Package Contents



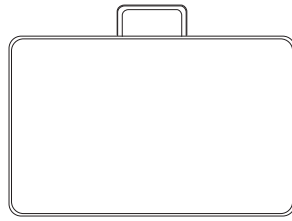
Portable Screen



Power Adapter



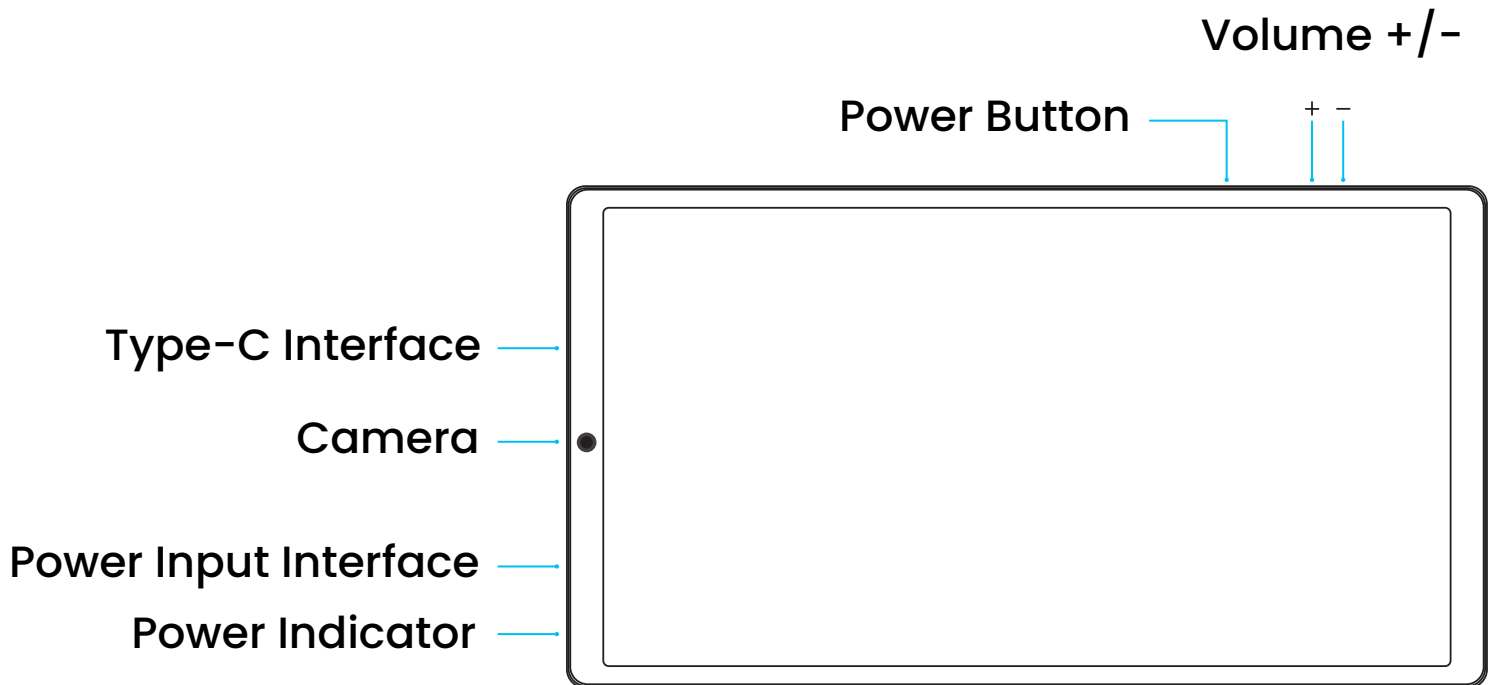
Power Cord



Portable Handbag

**Note:** Retain all packaging materials for future use.

## Buttons and Ports



**Power Button:** Press and hold the power button for 3 seconds to turn the device on. Wait for the device to boot up, then enter the system. Press the power button briefly to turn it off, and select the shutdown confirmation option.

**Interface:** Use this button to turn off the screen, power off, or restart the device.



**Volume +:** Press to increase the system volume.

**Volume -:** Press to decrease the system volume.

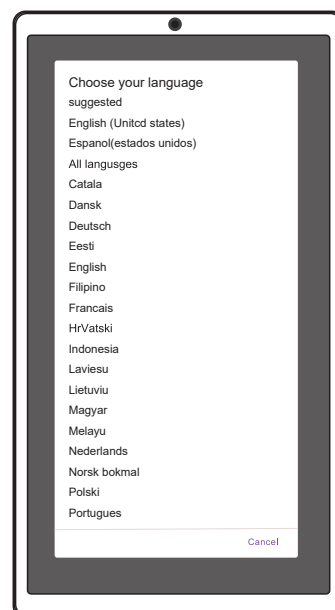
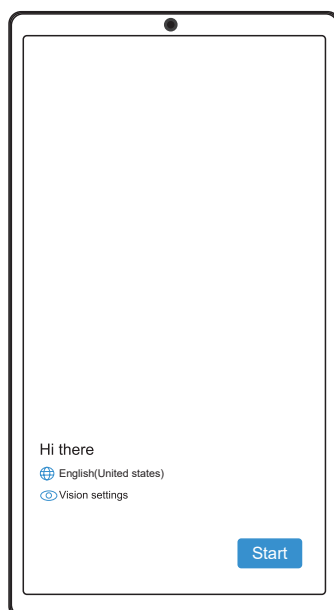
**Camera:** 13 MP camera.

**Type-C:** Supports OTG functionality.

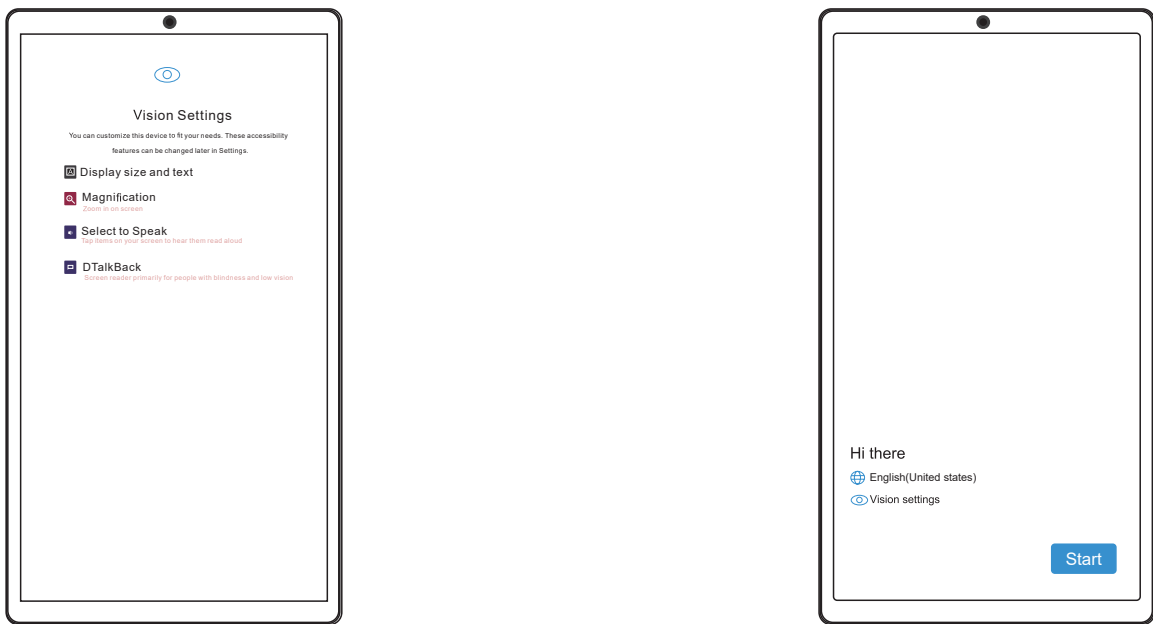
**Power Input Interface:** Connect the power adapter to provide power to the device. The power indicator will light up, signaling that the device is receiving power (power supply to the entire system).

## Product Setup

1. Press and hold the power button for 3 seconds to power on the device. If the battery is low, connect the power adapter to charge the device.
2. Follow the on-screen prompts to adjust the language and visual settings according to your preferences.

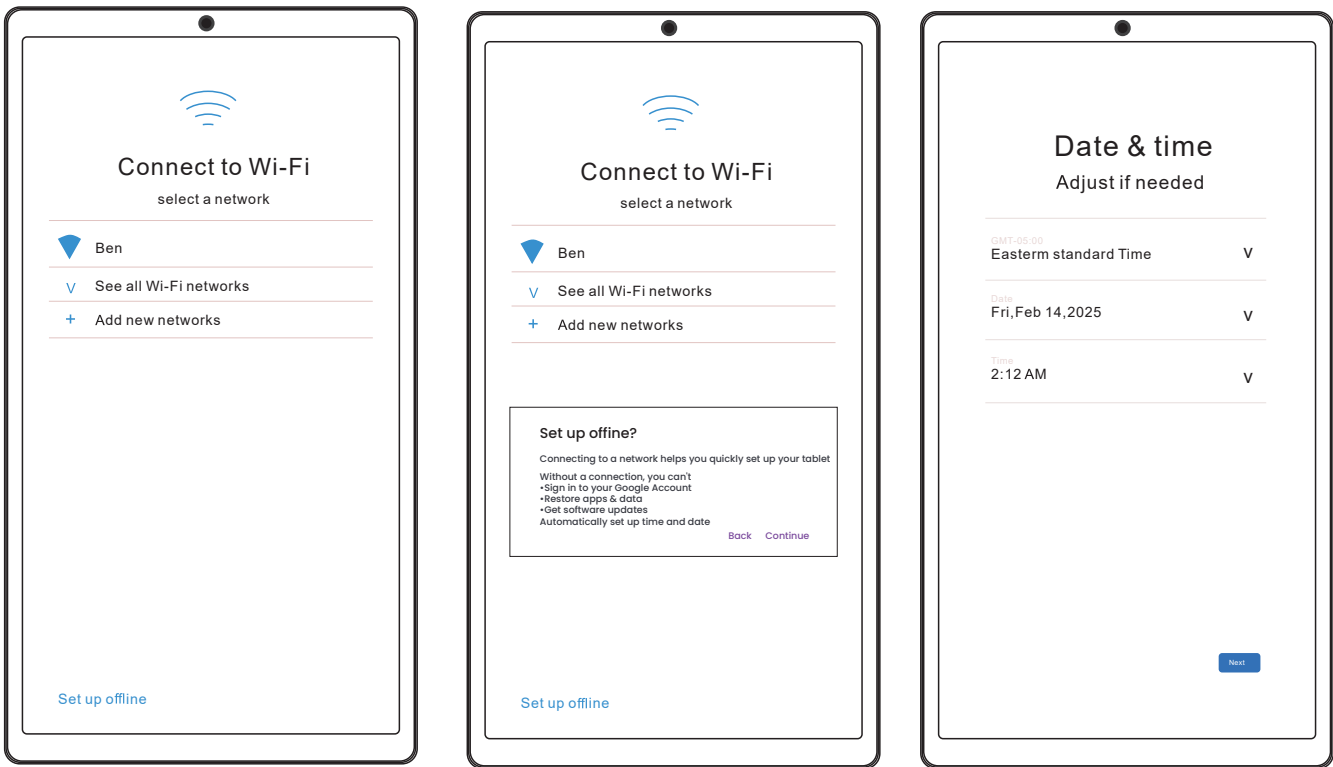


From the list of supported languages, choose your desired language.



Visual effects can be customized based on personal preferences, including display text size, magnification, speech, and voice feedback.

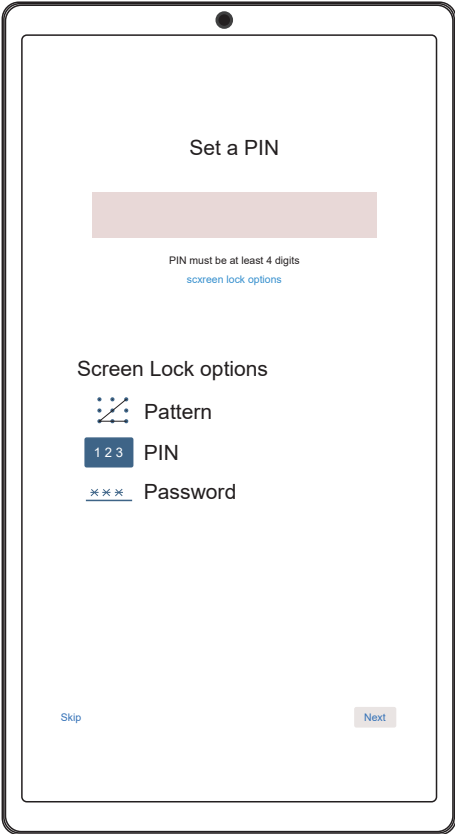
After completing the voice and visual settings, click Start to proceed to the next step.



Select a network from the list or add a new one if needed.

If you do not wish to connect to Wi-Fi, select Set up Offline and continue.

Adjust the date and time as needed, then click Next to move on to the next setting.

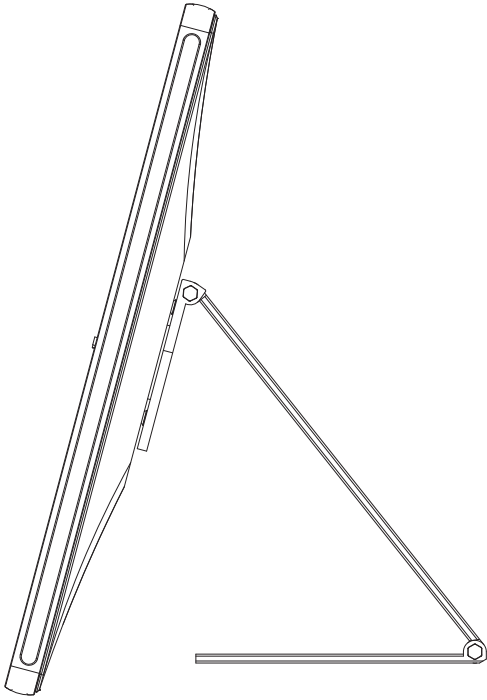


Select Accept to agree to Google’s terms and services and proceed with the setup.

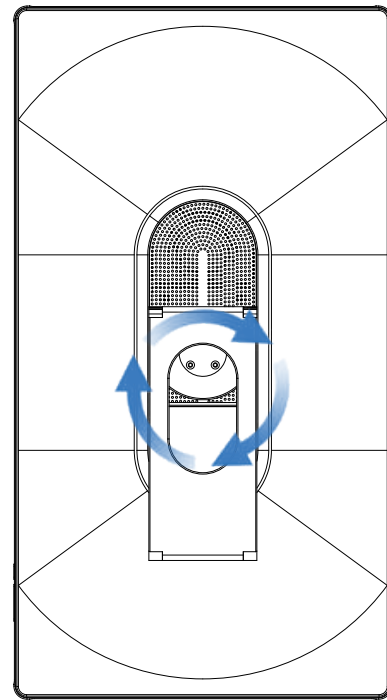
Set a PIN  
You will be prompted to choose a screen lock option:  
  
Pattern  
  
PIN  
  
Password  
Alternatively, you may skip this step and proceed without setting a password.

Complete Setup  
Once the setup is complete, you will enter the system.

## Adjust the Angle



### Rotating Base

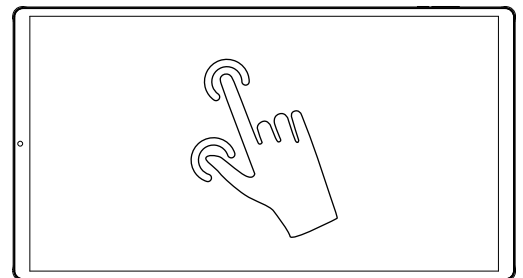


270°  
Rotation

The back stand supports both vertical and horizontal positioning. You can rotate the stand for up to 270° for vertical adjustments and a 25° tilt for horizontal positioning.

## Touch Function

1. The device uses a capacitive touch screen with G+G full lamination.
2. Supports 10-point touch functionality.
3. Allows interaction with fingers, active stylus, and other conductive objects.



## Battery and Charging

This product features a built-in battery that can be used for a certain period without connecting to external power sources. After powering on the device, the battery percentage will be displayed on the screen.

1. Connect the device to the power source. The power indicator will light up, and the screen will display a charging icon. Once the battery reaches %100, continue charging for approximately half an hour.
2. It takes about 4 hours to charge the device from a low battery to a full charge, and approximately 10 hours to fully charge while in use.
3. In standby mode, the remaining battery power will gradually decrease.
4. As the device is used more frequently, the battery life will decrease proportionally.
5. To extend battery life, it is recommended to charge the device after use for a period of time, rather than keeping it fully charged at all times.
6. Keeping the battery power around %50 will help extend its overall lifespan. The standard usage times mentioned in this manual are based on laboratory data; actual usage times may vary.

**Note:** Users are strictly prohibited from replacing or disassembling the battery pack without permission to avoid the risk of damage or safety hazards caused by improper installation or use of unsuitable batteries.

# Material Content Table

Part	Toxic Material					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium (CR(VI))	PBBs	PBDE
Accessories	×	○	○	○	○	○
Plastic Case	○	○	○	○	○	○
Metal Parts	○	○	○	○	○	○
PCB Board	○	○	○	○	○	○
LCD Screen Display	○	○	○	○	○	○
Lithium Polymer Battery	○	○	○	○	○	○
Touch Screen	○	○	○	○	○	○
Speaker	○	○	○	○	○	○
Package	○	○	○	○	○	○

## Symbol Meaning

○ Indicates that the content of toxic and hazardous substances in all homogeneous materials of the part is within the limit requirements specified in GB/T2011-26572.

× Indicates that the content of toxic and hazardous substances in at least one homogeneous material of the part exceeds the limit requirements specified in GB/T2011-26572.

## Notes:

This product is manufactured according to environmental protection design and lead-free production processes and complies with EU RoHS requirements.

The toxic and hazardous substances marked with "×" in the table are mainly due to current technical development restrictions and non-replaceable products.

**Battery Warning:** This product contains a rechargeable lithium battery. It is strictly forbidden to disassemble, hit, squeeze, or throw it into fire.

**Circuit Board Components:** This includes printed circuit boards, electronic components, solder joints, etc.

Depending on the model, the product you purchased may not contain all of the above components.

**Environmental Protection:**

The environmental protection use period of the product is 10 years, and the logo is shown on the left.

Some replaceable parts will have a different environmental use date stamped on them.

This environmental protection use period applies only to the product used under normal conditions.

## **Warranty**

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-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 **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 24-month warranty period.

For more info, please check:  
**powerology.me/warranty**

## **Contact Us**

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

Website: **powerology.me**

Instagram: **powerology\_official**

Facebook: **powerology.ME**