POWEROLOGY

Powerology

BANF 32" Portable Smart Monitor

SKU: PWHSD01GY

Table of Contents

Precautions

For proper usage of this product, please read this user manual thoroughly before installation and use.

1. Before cleaning the screen of the mobile smart all-in-one machine, ensure the power cord is unplugged and the power switch is turned off. Avoid using liquid cleaning fluids or spray cleaners. Clean the screen with a soft, damp cloth. If further cleaning is needed, use an LCD screen cleaner.

2. Only use accessories recommended by the manufacturer. Using unauthorized accessories may pose a risk.

3. When disconnecting the power cord from the chassis power adapter, always grip the power plug and unplug it. Never pull the power cord directly.

4. If any of the following occur, unplug the power adapter's plug and contact qualified maintenance personnel:

a. The power cord or plug is damaged or worn.

b. The mobile smart screen falls or the casing is damaged.

c. The screen displays abnormal behavior, indicating the need for repair.

5. Place the device in a well-ventilated environment, away from direct sunlight, high temperatures, or excessive humidity.

6. Store the device at room temperature (0°C to 40°C) and below 5000 meters above sea level. Exceeding these conditions may affect its normal operation.

Important Tips

1. The gaps and openings on the machine are essential for ventilation and heat dissipation. Do not block or cover these areas.

2. If the machine malfunctions, do not attempt to disassemble or repair it yourself. Contact the original manufacturer or authorized dealer for assistance.

3. Avoid stepping on the power supply or power adapter to prevent hazards such as electrical leakage. If the power adapter's wire is damaged, stop using it immediately to avoid potential dangers.

4. Unplug the power cord during thunderstorms or when the machine is not in use for extended periods.

5. Handle the display screen with care during transportation. Avoid applying excessive pressure or hitting it with sharp or hard objects to prevent damage.

6. Ensure children are aware of the risks of climbing on this product. A fall or tip-over can result in serious injury. Do not place the product in an unstable or tilted position.

7. Keep cables connected to the product organized to prevent tripping, pulling, or grabbing hazards.

Note: When using a power adapter for charging, ensure it is locally certified and meets standard safety requirements.

Specifications

Model Number	PWHSD01
Screen Size	32"
Screen Resolution	1080 × 1920P
Adapter Input Voltage	AC 100-240V, DC 19V 3.42A
Battery Capacity	38400Mah
Brightness	300-350cd/m
Contrast Ratio	1200:1
Aspect Ratio	16:9
Refresh Rate	60Hz
Rated Power	65W
Viewing Angles	89°

Color Gamut	100 %sRGB
Bluetooth Version	V5.0
Display Color	16.7 Million (8bit)
Camera	5MP
Speakers	2 x 10W (8Ω)
Operating System	Android 15
Wireless Connectivity	Wi-Fi 2.4G/5G, Bluetooth5.0, Hotspot
Processor	2x ARM Cortex-A2.0@ 75GHz, 6x ARM Cortex-A1.8@ 55GHz
RAM	6G/8G
ROM	128G
Expandable Storage	8+128GB
Interface	x1 HDMI, x1 USB 2.0, x1 USB-C, x1 DC Port
Product Weight	20.5kg

Accessories List

Screen Host x1

Connecting Rod x2

Round Base x1

PM4x18MM Cross Round
Head Screw x5 (Base + Rod)
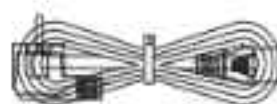
M8x8MM Kimi M8*8
Screw x2 (Connecting Rod)

Hexagonal Screwdriver x1

Cross-head Screwdriver x1

Power Adapter x1

Power Cord x1
(different plugs are available for different countries)

Remote Control Guide

1. POWER: Turn the device on or switch to standby mode.
2. Air Mouse: Toggle the mouse function on or off.
3. Application Buttons: Quickly access specific applications.
4. MENU: Access the settings on the main page.
5. HOME: Go to the home screen.
6. BACK: Return to upper-level content or exit the current screen or operation.
7. OK: Confirm, enter, or execute the selected item, or display the Quick Button list.
8. Navigation Buttons (UP/DOWN/LEFT/RIGHT): Navigate through the menu to select the content you need.
9. Google Chrome: Quickly open Google Chrome.
10. Dashboard: Access the settings dashboard of your Google Display.
11. MIC
Activate the voice function:
a. Short press the MIC button to wake up Google Assistant.
b. Long press the MIC button to start receiving voice commands. After giving your voice command, press the MIC button again to stop the function.
12. Volume Up/Down (+/-): Adjust the sound volume.
13. Page Up/Down: Navigate through pages.
14. MUTE: Mute or restore the device sound.

Pairing the Remote

1. Press and hold (OK + −) [Red LED blinks 4x → turns off].
2. Cursor Navigation: Tap (🖱) to move the cursor.
3. Voice Control: Press and hold the (🎤) button to activate voice search.
4. USB Receiver: Ensure the USB receiver is plugged into the device before use.

USB Receiver

Note: Plug the USB receiver into the device before using it.

Installing Remote Control Batteries

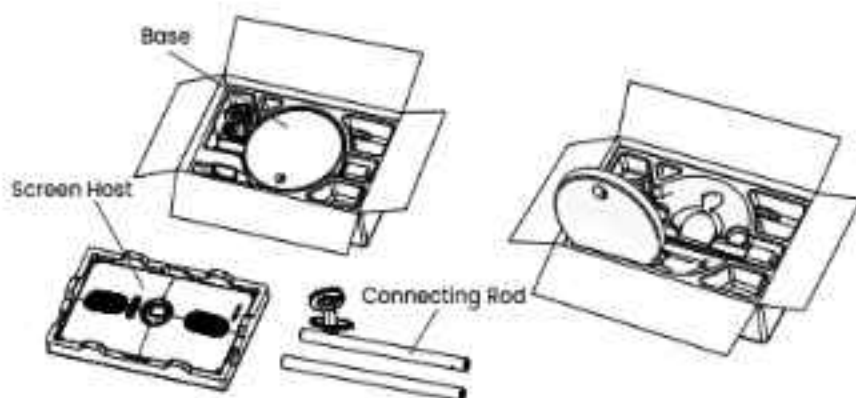Insert two AAA batteries into the remote control's battery compartment, aligning them with the polarity markings inside.

Product Installation

1. Installation Preparation
1.1 Unbox the following parts: base, double-section rod, accessory bag, and foam cover.
1.2 To fix the base, insert it into the foam lower shell's slot. Ensure that the circular hole of the base is positioned vertically upwards.
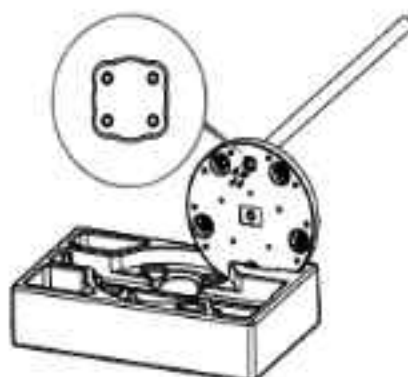

2. Installation Process
Base Installation
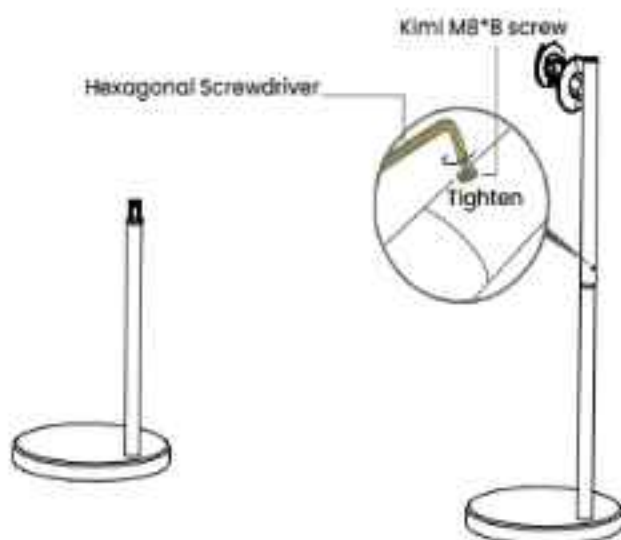**a.** Attach the lower section of the double-section rod into the round hole of the chassis.
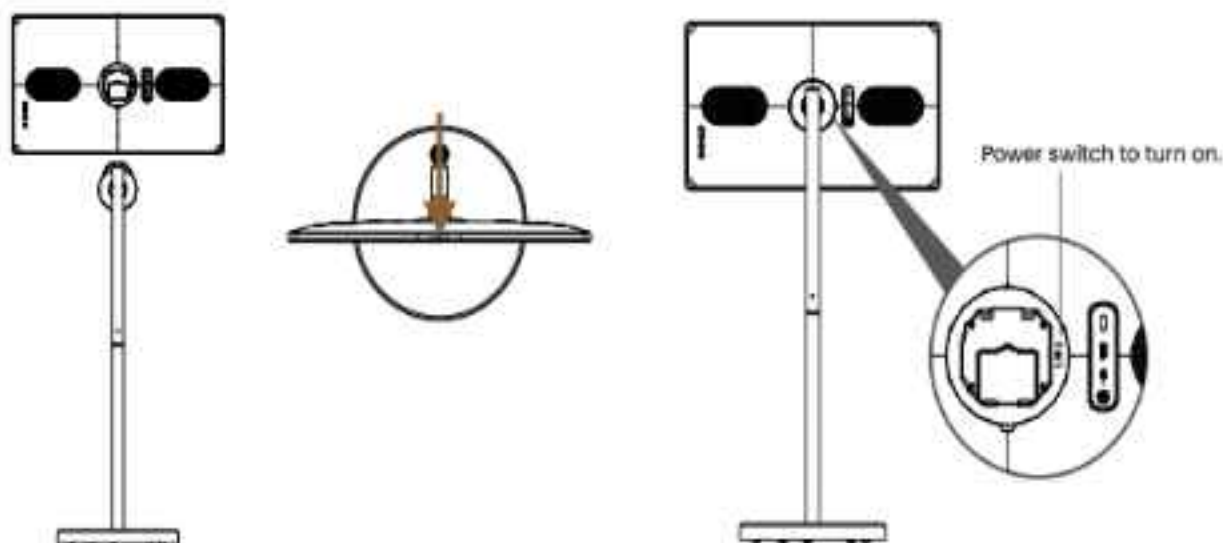**b.** Use a cross screwdriver to secure the chassis with the four PM18*4 screws.

3. Double-Section Rod Installation

a. Place the chassis upright on a flat surface.

b. Align the double-section rod with the exposed screw holes in the middle and install it.

c. Use a hexagonal screwdriver to tighten the M8*8 screw (1 piece) and secure the double-section rod.

Hexagonal Screwdriver

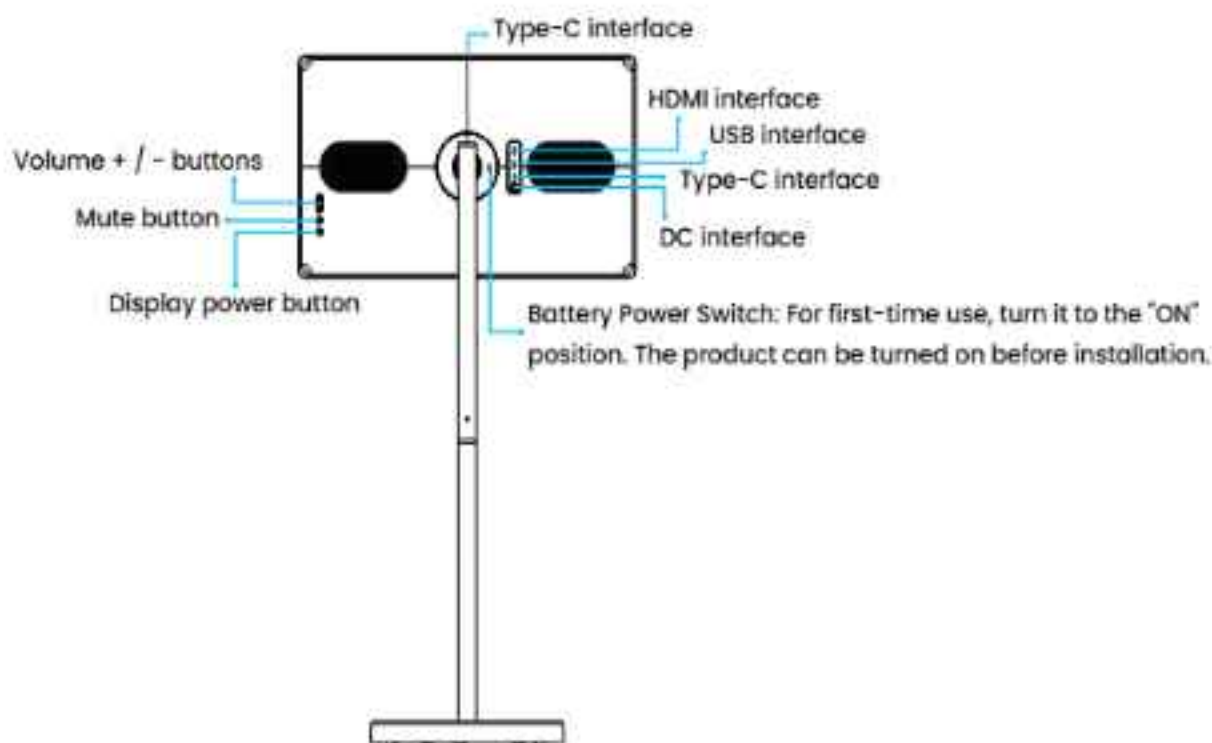Kimi M8*B screw

Tighten

4. Display Installation

a. Hold the screen with both hands, ensuring the Type-C port is facing up. Align the top metal hook with the back of the bracket and press down until the bottom buckle locks into place.

b. Turn on the power switch (On/Off), align the dots on the back cover of the rear case with the dots on the back of the monitor, secure the magnetic cover, and complete the installation.

Power switch to turn on.

Installation Safety Tips

1. When assembling, ensure the screws of the double-section connecting rod and base connecting rod are tightened, and secure them with the buckles on the host and bracket. Failure to do so may cause parts to fall, resulting in damage to the items or personal injury.
2. This product has a certain weight. During unpacking and installation, ensure that at least two people are involved to safely assemble it.
3. Avoid using foreign objects (such as oil, lubricants, etc.) on screws or tools during assembly.
4. After installation, do not remove the cable fixing bracket and screws by yourself.
5. Always keep the product in an upright position during use. If the tilt angle is too large during movement, the product may tip over, potentially causing failure or injury.

Product's Buttons and Interface

Type-C interface

HDMI interface

USB interface

Volume + / - buttons

Type-C interface

Mute button

DC interface

Display power button

Battery Power Switch: For first-time use, turn it to the "ON" position. The product can be turned on before installation.

Button Function Description

Display Power Button: Press and hold the power button for 3 seconds to power up the device and enter the system. Press and hold to access the shutdown/restart confirmation interface. A short press will turn off the screen.

Battery Power Switch: For first-time use, turn it to the "ON" position (can be turned on before installation).

Volume + / –: Press to increase or decrease the system volume.

Mute Button: Press once to mute the sound. Press again to unmute.
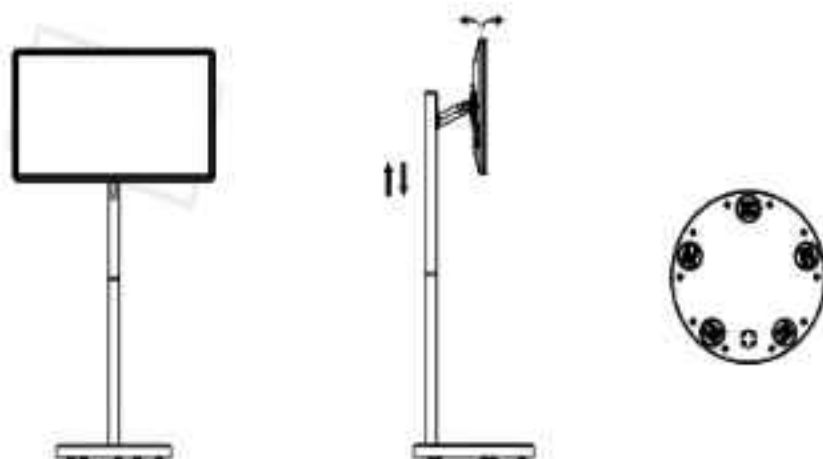
Peripheral Interface: Type-C (supports OTG/USB interface/HDMI interface).

DC Interface: Connect the power adapter to power the entire device.

Note: If the device cannot be powered on due to low battery, use a power adapter to charge the device.
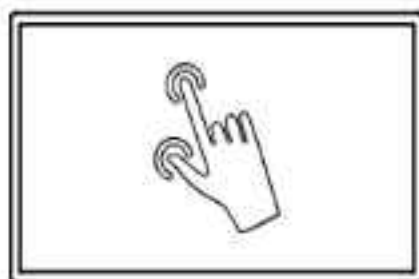
Adjusting the Product

1. The monitor rotates 90 degrees left and right.
2. The monitor can be viewed from angles above 25 degrees and below 15 degrees.
3. The monitor can be adjusted to move up and down by 200 mm.
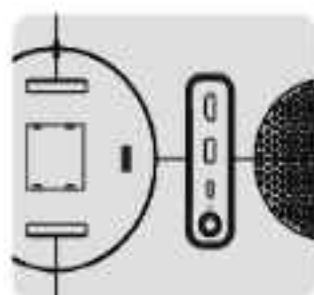**4.** The base features 5 universal wheels, allowing 360-degree movement.

Touch Function

1. Equipped with a capacitive touchscreen (G+G) full lamination.
2. Supports 10-point touch functionality.
3. Supports writing with fingers, active stylus, and other conductive objects.

Battery Guide

This product is equipped with a built-in battery in the screen host and can operate for a period of time without connecting to other power sources. The power level is displayed on the screen, and the indicator on the back will show different colors of light according to the remaining battery charge. The battery power detection LED has the following indicators at various stages:

- Green light on: Sufficient power
- Red light on: Low battery
  Red light flashing or not on: No battery
  Charging: Green light flashing, full green light on

1. It takes approximately 4 hours to charge from a low battery to full capacity and around 10 hours to charge while in use.
2. In standby mode, the remaining battery power will gradually decrease, and once in standby mode, the remaining battery power will continue to decrease.

3. As the product's usage time and frequency increase, the battery life and its overall lifespan will decrease proportionally.

4. To extend battery life, it is recommended to charge the device after each usage period, rather than keeping the battery fully charged.

5. Keeping the battery at around 50 %charge will help extend its overall lifespan.

Note: Users are strictly prohibited from replacing or disassembling the battery pack without proper authorization to avoid potential damage to the device or safety risks caused by improper installation or use of unsuitable batteries.

Material Contents

Toxic and Hazardous Substances or Elements						
Part Name	Pb	Cd	Hg	Cr₆₊	PBBs	PBDEs
Accessory	X	O	O	O	O	O
Plastic Case	O	O	O	O	O	O
Metal Parts	O	O	O	O	O	O
PCB Board	O	O	O	O	O	O
LCD Screen Display	O	O	O	O	O	O
Lithium Polymer Battery	O	O	O	O	O	O
Touch Screen	O	O	O	O	O	O
Speaker	O	O	O	O	O	O
Package	O	O	O	O	O	O

O: Indicates that the content of the toxic and hazardous substance in all homogeneous materials of the part is within the limit requirements specified in GB/T 26572-2011.

X: Indicates that the content of the toxic and hazardous substance in at least one homogeneous material of the part exceeds the limit requirements specified in GB/T 26572-2011.

Notes:

1. This product is designed and manufactured according to environmental protection principles and lead-free production processes, in compliance with EU RoHS requirements.

2. The toxic and hazardous substances marked with an "X" in the table are primarily due to current technical development restrictions and irreplaceable product components.

3. This product contains a rechargeable lithium battery. It is strictly prohibited to disassemble, hit, squeeze, or throw it into fire.

4. Circuit board components include printed circuit boards and their components such as electronic components, solder joints, etc.

10 The environmental protection use period of the product is years. This environmental protection use period applies solely to the product when used under normal operating .conditions

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 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**