



**Powerology**

## **TouchVision Pro Portable Smart Touch Display**

SKU: PWH27FWH



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## Product Overview

The Powerology TouchVision Pro is a portable 27-inch smart touch display featuring a Full HD screen and a 27000mAh battery that provides up to 7 hours of usage. It includes 10W x 2 built-in speakers and runs on Android 15. The device supports Wi-Fi connectivity (2.4GHz/5GHz) and offers easy access to streaming platforms like YouTube, Netflix, Prime Video, and Spotify. With a user-friendly TFT-LCD touch screen, it combines convenience and entertainment in a portable design.

## Specifications

Material	ABS
Input	100-240V
DC Output	19V/3.42A
Rated Power	65W Max
Battery Capacity	27000mAh
Working Time	7h
Display	27" TFT-LCD
Screen Resolution	1920 x 1080P
Brightness	250-300cd/m2

Contrast Ratio	1000:1
Aspect Ratio	16:9
Refresh Rate	60Hz
Viewing Angles	89° (Left, Right, Upward, Downward)
Color Gamut	100% sRGB
Display Color	16.7M (8-bit)
Bluetooth Version	5.0
WiFi	Dual Band (2.4GHz / 5GHz)
Built-in Speakers	2 × 10W, 8 Ω
Operating System	Android 15.0
CPU	2xARM Cortex A75@2.0GHz, 6xARM Cortex A55@1.8GHz
GPU	ARM Mali G52 2EEMC2 820MHz
RAM	6GB
Internal Storage	128GB
Interfaces	HDMI, USB-A, USB-C, DC Socket
Product Weight	5.7±0.3kg
Product Size	108 × 418.5 × 616.5mm
Model Number	PDH27F

## Safety Precautions

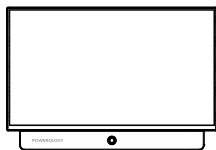
- 1.** When cleaning the screen of your portable touchscreen smart TV, always unplug the power cord and turn off the power switch. Do not use liquid cleaning solutions or spray cleaners. Instead, wipe the screen with a soft, damp cloth. If the screen is still not clean, use an LCD screen cleaner.
- 2.** Do not use accessories that are not recommended by the manufacturer, as they may be dangerous.
- 3.** When unplugging the power adapter from your portable touchscreen smart TV, always hold the power plug and then unplug the cord. Do not pull the power cord directly with your hands.
- 4.** If any of the following situations occur, unplug the power plug from the power adapter and contact a qualified technician for maintenance:
  - a.** The power cord or plug is damaged or worn.
  - b.** The portable touchscreen smart TV falls or its casing is damaged.
  - c.** The screen appears abnormal, indicating that it may need repair.
- 5.** Place the TV in a well-ventilated area, away from strong light, high temperatures, or humidity.
- 6.** Store the TV at room temperature between 0°C and 40°C and below 5000 meters above sea level. If it exceeds this range, it may affect normal use.

### **Important Tips**

- a.** The gaps and openings on the machine are designed for ventilation and heat dissipation. Do not block or cover these areas.

- b.** If the machine stops working, do not attempt to disassemble or repair it yourself. Contact the original manufacturer or dealer for assistance.
  - c.** Avoid stepping on the power supply or power adapter to prevent dangers such as leakage. If the power adapter's wire is damaged, do not continue to use it as it may be hazardous.
  - d.** Unplug the power cord during thunderstorms or when the machine is not in use for an extended period.
  - e.** Do not squeeze the display screen during transportation, and avoid placing sharp tools or hard objects near the screen to prevent damage.
  - f.** Keep children away from the product and make them aware of the risks of climbing on it, as falling or tipping over can cause serious injury.
  - g.** Ensure that the product is placed on a stable surface and not in a tilted or unstable position.
  - h.** Organize the cables connected to the product to avoid tripping, pulling, or grabbing.
- Note:** If consumers use a power adapter to charge, they should purchase one that is locally certified and meets standard requirements.

## Accessories List



Portable Touchscreen  
Smart TV x1



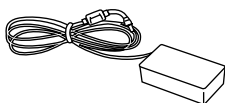
Remote Control  
x1



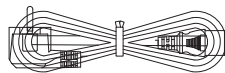
Accessory Box  
x1



Hand-Tightening  
Screws x2

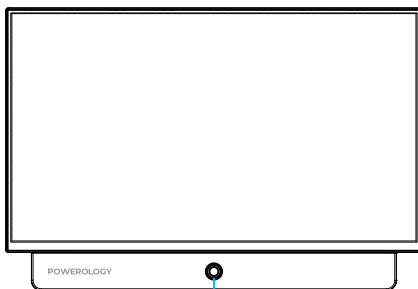


Power Adapter  
x1

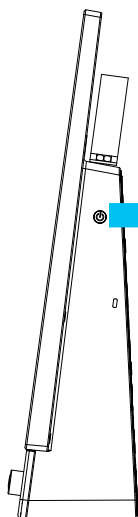


Power Cord x1  
(different plugs available  
for different countries)

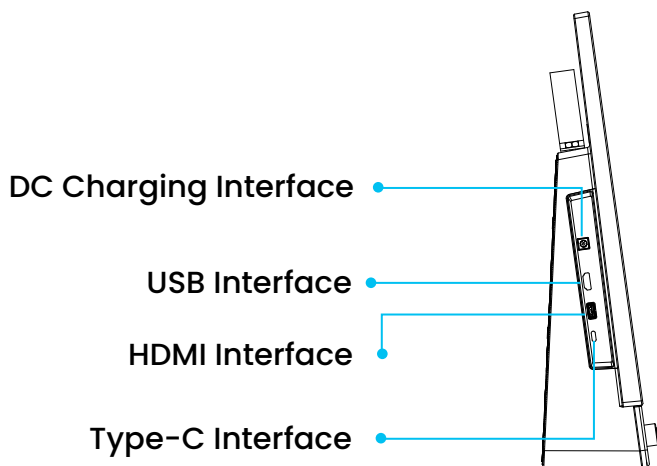
## Product Components



Display Power Button



Battery Power Switch



## Operation Instructions

**1. Power Button:** Press and hold to turn the device on/off. Rotate the volume control knob to the left to decrease the volume and to the right to increase the volume.

**2. DC Charging Port:** Connect the power adapter to charge the device.

**3. Interfaces:** HDMI, USB, and Type-C interfaces are available.

**Note:** If the device fails to power on due to a low battery, please charge it using the power adapter.

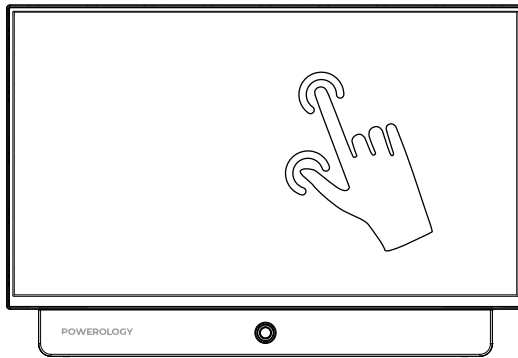
## Touch Screen Guide

**1.** The device uses a capacitive touch screen with full lamination (G+G).

**2.** It supports 10-point touch for enhanced responsiveness.

**3.** You can write using your fingers, an active stylus, or any other conductive objects.





## Battery Usage & Care

This device has a built-in battery that allows cordless operation. The battery level (as a percentage) and charging status are displayed in the top-right corner of the screen.

**Red LED Indicator:** Illuminates when the power adapter is connected or the battery switch is turned on.

**White LED Indicator:** Illuminates when the device is powered on.

### **Note:**

- a.** Power-On: Turn on the battery switch first. The red power indicator confirms the device is powered on. Then press the screen button to start. (The red light automatically turns off after approximately 3 minutes when powered down.)
- b.** It takes about 4 hours to charge from low to full battery and around 10 hours to fully charge the device.
- c.** In standby mode, the remaining battery power will gradually decrease.
- d.** As usage time and frequency increase, the battery life will decrease proportionally.

- e. To extend the battery life, it is recommended to charge the battery after each use, rather than keeping it fully charged.
- f. Keeping the battery at 50% helps maintain its lifespan.

**Important Note:**

Users are strictly prohibited from replacing or disassembling the battery pack without permission to avoid damage or safety risks. For any issues, contact the manufacturer for assistance.

**Material Contents**

Part Name	Toxic and Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (CR6+)	PBBs (PBB)	Polybro-minated Diphenyl ethers (PBDE)
Accessory	X	○	○	○	○	○
Plastic Case	○	○	○	○	○	○
Metal Parts	○	○	○	○	○	○
PCB Board	○	○	○	○	○	○
LCD	○	○	○	○	○	○
Battery	○	○	○	○	○	○
Touch Screen	○	○	○	○	○	○
Speaker	○	○	○	○	○	○
Package	○	○	○	○	○	○

O: Indicates that the content of the toxic and hazardous substance in all materials of the part is within the limit requirements specified in GB/T26572-2011.

X: Indicates that the content of the toxic and hazardous substance in at least one material of the part exceeds the limit requirement specified in GB/T26572-2011.

### Notes:

1. This product is produced following environmental protection design and lead-free production processes, in compliance with EU RoHS requirements.
2. The substances marked with "X" in the table are mainly due to the current technical limitations and no irreparable products.
3. This product contains a rechargeable lithium battery. It is strictly prohibited to disassemble, hit, squeeze, or throw it into fire.
4. Depending on the product model, your product may not contain all of the above components.

### Environmental Protection Use Period

The product has an environmental protection use period of 10 years, as indicated by the logo shown on the left.

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

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

## Remote Control Instructions

**1. Power:** Turn the device on or set it to standby mode.

**2. Air Mouse:** Turn the mouse function on or off.

**3. Application Buttons:** Access specific applications quickly and directly.

**4. Menu:** Open settings on the main page.

**5. Home:** Access 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 show the list of Quick Buttons.

**8. Navigation Buttons (Up / Down / Left / Right):** Navigate the menu to select the content you need.

**9. Google Chrome:** Quickly open Google Chrome.

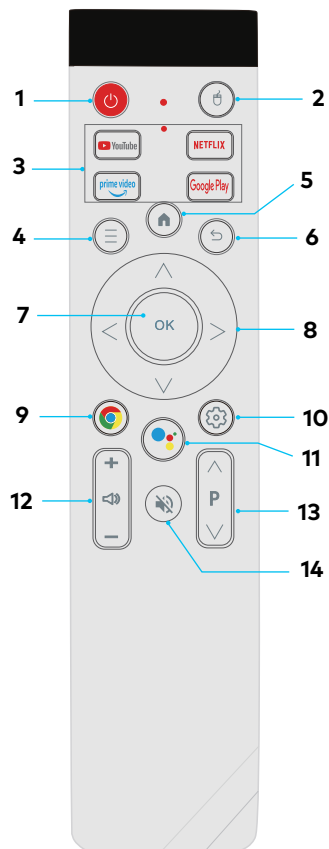
**10. Dashboard:** Access the settings dashboard of your Google Display.

**11. Mic:** Start using the near field voice function.

**a.** Short press the MIC button to wake up the Google Assistant.

**b.** Long press the MIC button to start receiving your voice command. After your voice command, release the MIC button to initiate the voice function.

**12. Volume Up/Down (+/-):** Adjust the sound volume.




- 13.** Page Up/Down: Scroll through pages.
- 14.** Mute: Mute or restore the device sound.

**Note:**


**1.** Pair the remote with the TV:

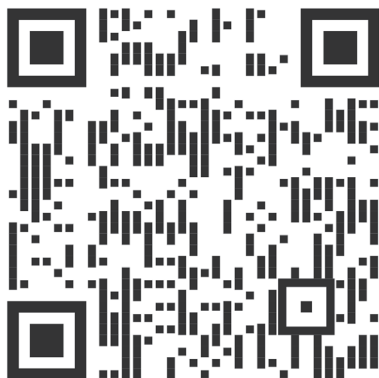
Long press the OK and + buttons simultaneously. [Red LED blinks 4 times and turns off]

**2.** Cursor Navigation:

Tap on the cursor button (  ) to move the cursor. Tap again to turn off the cursor.

**3.** Voice Control:

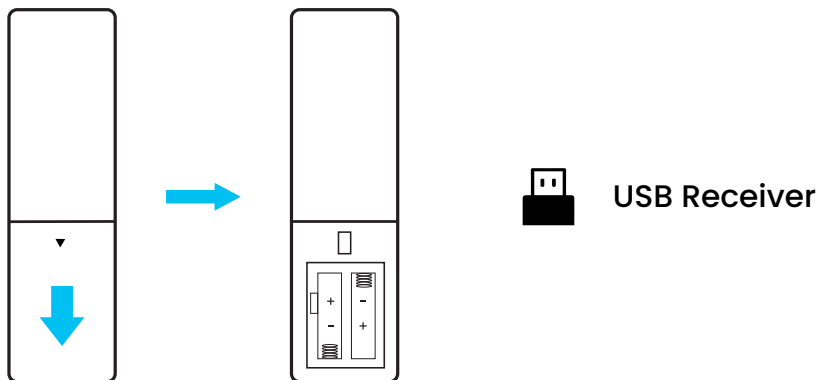
Long press (  ) button to activate voice search.



Scan the QR code to watch the remote control usage video.

**Install Remote Control Batteries**

Place two AAA size batteries in the remote control's battery compartment, making sure to match the polarity markings inside the compartment.



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

## **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 communi-

cations. 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 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 **<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 24-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](#)**