



Powerology

ELYRA Portable Smart Projector

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Product Introduction

The Powerology ELYRA Portable Smart Projector turns any wall into your personal cinema. Powered by Android 14 with dual-band Wi-Fi, Bluetooth 5.0, wireless screen mirroring, and built-in stereo speakers, it delivers 720P HD projection at up to 150 inches with 150 ANSI Lumens of brightness. Compact, lightweight, and battery-powered for up to 2 hours of playback (varies with brightness, volume and Wi-Fi use), ELYRA is ready to travel from your living room to the backyard, bedroom, or anywhere your next movie night takes you.



Structural Diagram

The ELYRA features a projection lens on the front, a touch control pad on the top for on-device navigation, a fabric-covered dual stereo speaker grille around the body, and a swivel stand base for easy angle adjustment. Interface ports for HDMI, USB-A and power are located on the rear of the unit.



1. Projection Lens
2. Touch Control Pad
3. Stereo Speaker Grille
4. Adjustable Stand / Swivel Base

Package Contents

1. ELYRA Portable Smart Projector
2. Remote Control
3. Power Adapter

Safety Information

Warning:

1. Do not stare directly into the projector lens while it is operating, as the bright LED light can cause eye injury.
2. Do not immerse the projector or its accessories in water or expose to rain and moisture.

3. Keep the device away from open flames, heaters, and other high-temperature sources.
4. Do not disassemble, modify, or attempt to repair the device or its internal battery.
5. Do not drop, throw, crush, or subject the projector to strong impacts.
6. Do not cover the ventilation openings during use, as blocked airflow can cause overheating and fire.
7. Use only the supplied or a compatible charger meeting the rated input specification to avoid damage, overheating, or fire.
8. Do not continue to use the device if the battery swells, leaks, emits odor, or becomes abnormally hot.
9. Ensure ceiling or elevated mounting is secure and rated for the device weight to prevent falling and injury.
10. Keep the remote control and any small accessories away from children to avoid choking hazards.
11. Do not puncture, crush, or incinerate the internal lithium battery; doing so may cause fire, explosion or serious injury.
12. The internal battery includes built-in protections against overcurrent, overvoltage, short-circuit and over-temperature; nevertheless, discontinue use immediately if any abnormal behaviour is observed.
13. The power adapter is intended for indoor, dry-location use only; do not use it outdoors or in wet environments.
14. Always unplug the adapter by gripping the adapter body or plug — never pull on the cable.
15. Stop using the adapter or cable immediately if the cord, plug or adapter housing is damaged, frayed, cracked or shows signs of overheating.
16. Always power off and unplug the projector from mains power before cleaning or servicing.
17. Keep the projector out of the reach of children and supervise children in its vicinity, especially during operation.

Attention:

1. Please follow the instructions provided in this manual.
2. Leave at least 5cm of clearance around the air vents to prevent overheating.
3. Place the projector on a stable, flat surface and avoid obstructing the projection path during operation.

4. Avoid using the device in extreme conditions, such as flammable, corrosive, dusty, or excessively humid environments.
5. Operate and store the device within normal room temperature ranges; extreme heat or cold may trigger automatic shutdown or shorten battery life.
6. If the device will be unused for an extended period, recharge it every 6 months to help preserve battery health.
7. Clean the lens and housing only with a soft, dry cloth; do not use solvents or abrasive cleaners.
8. Do not drive, cycle, or operate machinery while viewing content on the projector, as this may cause distraction.
9. In case of any malfunction or warranty claim, please contact customer service.



Setup & Operation

1. Positioning the Projector

Place the projector on a flat, stable surface facing a clean, light-coloured wall or projection screen.

Ensure the projection distance is between 0.7 m and 5 m from the surface for a screen size of 35–150 inches.

Adjust the swivel stand to angle the lens toward the projection surface.

Keep the ventilation openings clear to prevent overheating.

2. Powering On

Connect the included power adapter to the projector and to a mains outlet, or use the internal battery for cordless use.

Press and hold the Power button on the touch control pad or the remote to turn the projector on.

Wait for the Android 14 home screen to appear.

Press and hold the Power button again to turn the projector off when finished.

3. Focusing the Image

Display any content or the built-in test screen.

Use the Electronic Focus function from the on-screen menu or the remote to sharpen the image.

Fine-tune until text and edges appear crisp across the entire projection.

Re-focus whenever the projection distance changes.

4. Connecting to Wi-Fi

From the home screen, open Settings and select Network.

Choose your 2.4 GHz or 5 GHz Wi-Fi network from the list.

Enter the password using the on-screen keyboard and confirm.

Once connected, you can stream directly from installed apps.

5. Wireless Screen Mirroring

Ensure the projector and your device are on the same Wi-Fi network.

On the projector, open the Screen Mirroring app.

For Android devices, enable Miracast/Smart View and select the ELYRA projector.

For iOS devices, open Control Center, tap Screen Mirroring and choose the ELYRA projector.

Playback will begin mirroring to the projection surface.

6. Connecting via HDMI or USB

Connect an HDMI source (streaming stick, laptop, console) to the HDMI port on the rear of the projector.

For local media, insert a USB-A flash drive into the USB port.

Open the Source menu from the home screen and select HDMI or USB.

Use the remote to navigate and play your content.

7. Bluetooth Audio

Open Settings and select Bluetooth.

Set your Bluetooth speaker or headphones to pairing mode.

Choose the device from the available list to connect.

Audio will play through the paired Bluetooth device instead of the built-in speakers.

8. Projection Modes

Open Settings and select Projection Mode.

Choose Front Desktop for standard placement on a table facing the wall.

Choose Front Ceiling if the projector is mounted upside down.

Choose Rear Desktop or Rear Ceiling when projecting from behind a translucent screen.

Specifications

Rated Input	42W Max
Projection Size	35–150 inches
LED Lifetime	30,000+ hours
Brightness	150 ANSI Lumens
Battery Capacity	3000 mAh
Projection Resolution	1280 x 720P
Throw Ratio	1.15:1
Contrast Ratio	450:1
Operating System	Android 14.0
CPU	Allwinner 723
RAM	1GB
Internal Storage	8GB
Wi-Fi	Dual Band 2.4/5 GHz
Projection Distance	0.7 to 5 m
Aspect Ratio	16:9
Interfaces	HDMI, USB-A
Bluetooth Version	5.0
Projection Modes	Front Desktop, Front Ceiling, Rear Desktop, Rear Ceiling
Screen Mirroring	Android Miracast / iOS AirPlay
Built-in Speaker	3W x 2
Product Size	95 x 97 x 154.5mm

Product Material	ABS
Product Weight	900g
Model Number	PWH2PBT



Key Features

1. Projects up to a 150-inch big-screen image for a true cinema experience at home or outdoors.
2. 150 ANSI Lumens brightness with 720P HD resolution and a 450:1 contrast ratio for crisp, vibrant visuals.
3. Built-in battery delivers up to 2 hours of cordless playback (varies with brightness, volume and Wi-Fi use) for movies anywhere.
4. Runs Android 14 with 1GB RAM and 8GB storage — install your favourite streaming apps directly.
5. Dual-band 2.4/5 GHz Wi-Fi and Bluetooth 5.0 for stable streaming and wireless audio.

6. Wireless screen mirroring via Miracast (Android) and AirPlay (iOS).
7. Built-in dual 3W stereo speakers for immersive sound without extra equipment.
8. Electronic focus and four projection modes (front/rear desktop and ceiling) for flexible placement.
9. Convenient top touch control pad plus included remote control.
10. Compact 900g design measuring just 95 x 97 x 154.5mm — truly portable.

Maintenance Tips

1. Cleaning the Lens

Power off and unplug the projector before cleaning.

Use a soft, lint-free microfiber cloth to gently wipe the lens; never touch it with bare fingers.

For stubborn smudges, lightly dampen the cloth with lens cleaner — never spray directly onto the lens.

2. Cleaning the Housing

Power off and unplug the projector before cleaning the housing.

Wipe the exterior with a soft, slightly damp cloth.

Do not use alcohol, thinners or abrasive cleaners as they may damage the ABS surface and fabric speaker grille.

Vacuum the speaker grille gently with a soft brush attachment to remove dust.

3. Ventilation & Placement

Keep the ventilation openings unobstructed during operation to prevent overheating.

Do not place the projector on soft surfaces such as beds or cushions that can block airflow.

Allow the unit to cool for several minutes after use before packing it away.

4. Battery Care

Charge the projector fully before first use.

For long periods of storage, charge the battery to around 50% and recharge every few months.

Avoid exposing the unit to extreme heat, cold or direct sunlight for extended periods.

5. Storage & Transport

Store the projector in a cool, dry place away from dust and moisture.

Use a padded case or the original packaging when transporting the unit.

Keep the lens facing away from any hard object to prevent scratches.

Frequently Asked Questions

1. How long does the battery last on a full charge?

The built-in 3000mAh battery provides up to approximately 2 hours of playback. Runtime varies with brightness, volume and Wi-Fi use. For longer viewing sessions, keep the projector plugged into the included 42W power adapter.

2. What screen size and distance should I use?

The ELYRA supports a projection size from 35 to 150 inches at a distance of 0.7 to 5 metres from the wall. With a 1.15:1 throw ratio, place the projector further back for a larger image and closer for a sharper, smaller one.

3. Can I mirror my phone or laptop wirelessly?

Yes. The projector supports Miracast for Android devices and AirPlay for iOS devices. Both the projector and your device must be connected to the same Wi-Fi network for screen mirroring to work.

4. What can I connect to the HDMI and USB ports?

The HDMI port accepts streaming sticks, laptops, gaming consoles and set-top boxes. The USB-A port can be used to play video, photo and music files directly from a USB flash drive.

5. Does it work with external speakers or headphones?

Yes. The projector features Bluetooth 5.0 and can pair with Bluetooth speakers, soundbars or headphones for enhanced audio.

6. What's included in the box?

The package includes the ELYRA Portable Smart Projector, a remote control, a power adapter and this user manual.

Troubleshooting

Problem	Likely Cause	Solution
Projector will not turn on	Battery depleted or power adapter not connected	Connect the included power adapter to mains power, wait a few minutes, then press and hold the Power button.
No image is projected but the unit is on	Wrong input source selected	Open the Source menu and select the correct input (HDMI, USB or built-in apps).
Image is blurry or out of focus	Focus not adjusted or lens is dirty	Use the Electronic Focus function to sharpen the image and gently clean the lens with a microfiber cloth.
Image is trapezoid-shaped	Projector is not level with the projection surface	Reposition the projector so it faces the wall squarely, or use the adjustable stand to level it.
No sound from built-in speakers	Volume too low or Bluetooth audio device connected	Increase the volume and disconnect any paired Bluetooth audio device in Settings.
Cannot connect to Wi-Fi	Incorrect password or weak signal	Re-enter the Wi-Fi password carefully and move the projector closer to the router. Try the other band (2.4 GHz or 5 GHz).

Problem	Likely Cause	Solution
Screen mirroring fails to connect	Devices on different networks	Ensure both the projector and phone/laptop are on the same Wi-Fi network, then retry Miracast or AirPlay.
Remote control does not work	Depleted batteries or blocked signal path	Replace the remote's batteries and aim it toward the projector without obstructions.
Projector overheats or shuts off	Ventilation blocked or extended use at high brightness	Place the projector on a hard, flat surface with clear ventilation and allow it to cool before restarting.
Battery runtime is very short	Battery not fully charged or high performance mode in use	Fully recharge the battery, reduce brightness/volume and close unused background apps.
USB drive is not recognised	Unsupported format or damaged file system	Format the drive as FAT32 or exFAT and try again with supported media files.
Apps freeze or run slowly	Too many apps open in the background	Restart the projector and close unused apps to free up memory.

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 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: www.powerology.me/warranty

Contact Us

Email: **hey@powerology.me**

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