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› EGate Atom 4X Projector User Manual

E GATE Ei9027

EGate Atom 4X Projector User Manual

Model: Ei9027

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your EGate Atom 4X Projector. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your viewing experience.

The EGate Atom 4X is a compact and powerful mini projector designed for home cinema use. It supports 4K Ultra HD content at a native 1080p resolution, offering stunning visuals on screens up to 300 inches. Featuring Android 13, wireless display capabilities, and dual-band WiFi, it provides seamless streaming and a versatile entertainment experience.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x EGate Atom 4X Projector
- 1x Power Cable
- 1x Remote Control
- 1x User Manual with Warranty Card



Image: Front view of the EGate Atom 4X Projector, showing the lens and sensors.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Native 1080p Resolution with 4K Support:** Delivers clear and sharp images, supporting 4K content for enhanced detail.
- **Android TV 13.0:** Integrated smart TV operating system with access to numerous apps like Netflix, Prime Video, and YouTube.
- **Automatic Focus & Keystone Correction:** AI-powered dual camera setup ensures instant, razor-sharp focus and perfect image alignment (4P and 6D correction).
- **270° Rotatable Design:** Allows projection onto walls, ceilings, or floors, offering flexible placement options.
- **Dual Band Wi-Fi 6 & Bluetooth 5.0:** Provides fast, stable wireless connectivity for streaming and connecting external audio devices.
- **Multiple Connectivity Ports:** Includes HDMI 2.1 (ARC/eARC/CEC), USB, and 3.5mm Audio Out for versatile device connections.

- **High Contrast & Brightness:** 6000:1 contrast ratio and 400 ISO lumens with HDR10+/HLG support for vibrant and lifelike colors.
- **Long Lamp Life:** LED lamp designed for up to 60,000 hours of operation.
- **Built-in Speaker:** 7 Watt integrated speaker for audio output.

3.2 Projector Components



Image: Side view of the EGate Atom 4X Projector, highlighting its compact design and red strap.

Multiple Devices Connection



HDMI



USB



Audio



Image: Rear view of the EGATE Atom 4X Projector, showing the power input and ventilation.

The projector features a cylindrical main body housing the lens and internal components, mounted on a stable base. A red strap is integrated for portability. The rear panel includes essential ports for connectivity.

4. SETUP

4.1 Initial Placement

1. **Unpack:** Carefully remove the projector and all accessories from the packaging.
2. **Power Connection:** Connect the power cable to the projector's power input and then to a power outlet.
3. **Positioning:** Place the projector on a stable, flat surface. Utilize the 270° rotatable design to adjust the projection angle as needed.

Dual Band Wi-Fi 6

Lag Free Screen Mirroring



Image: Diagram illustrating the 270-degree rotation capability of the EGate Atom 4X Projector, allowing projection onto various surfaces.

The projector's flexible stand allows for projection onto walls, ceilings, or even the floor. Ensure the projection path is clear of obstructions.

4.2 Automatic Focus and Keystone Correction

The EGate Atom 4X features fully automatic focus and keystone correction for a clear, rectangular image without manual adjustments.

1. **Power On:** Turn on the projector using the power button or remote control.
2. **Automatic Adjustment:** The projector will automatically detect the projection surface and adjust focus and keystone within approximately 5 seconds.
3. **Manual Adjustment (Optional):** If minor adjustments are still needed, use the remote control to fine-tune focus or keystone settings in the projector's menu.

270° Free Style Stand

Big screen Dream, On any wall

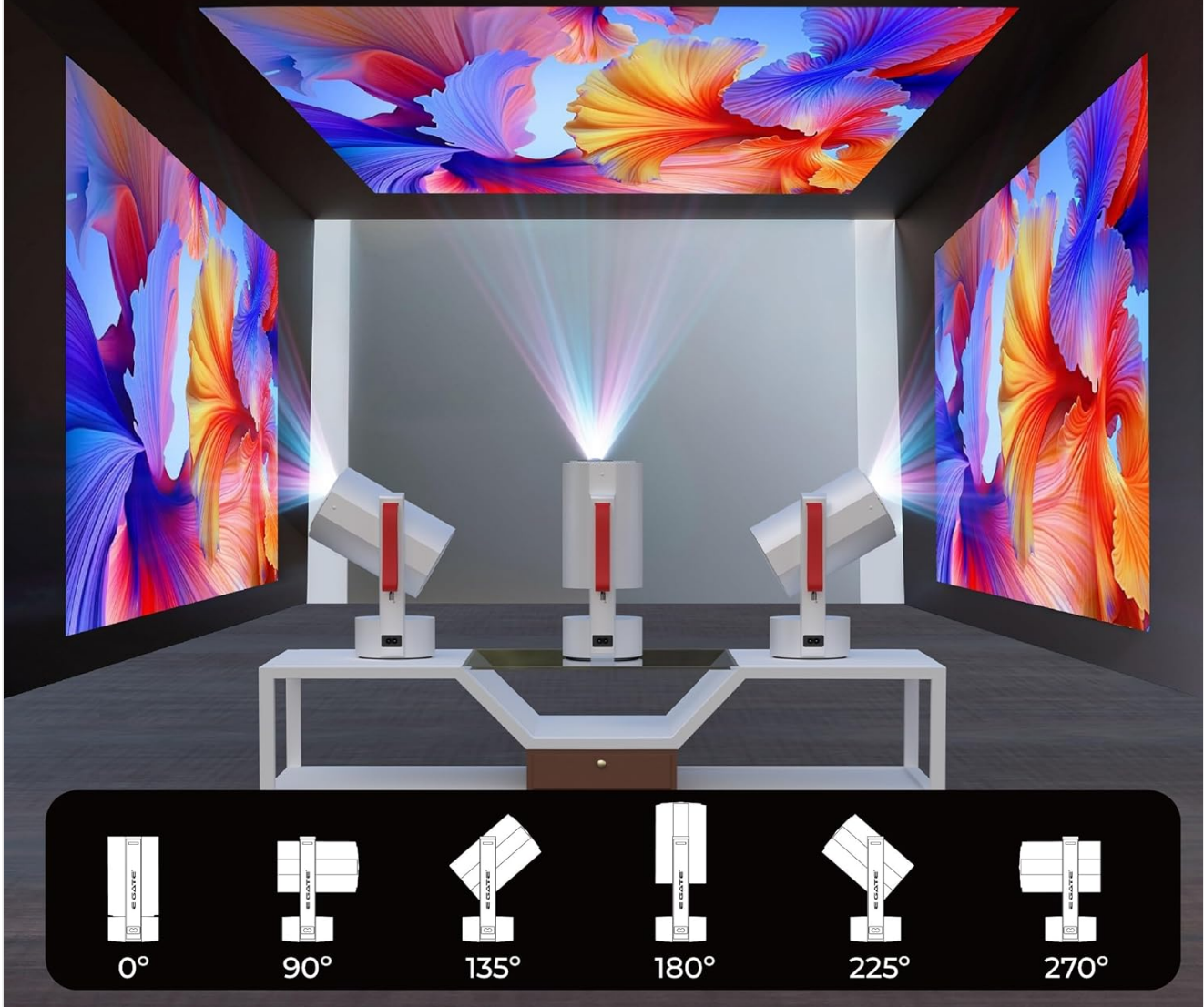


Image: The EGate Atom 4X Projector projecting an image, with overlays indicating automatic focus and 4P+4D keystone correction for perfect alignment.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Press the power button on the projector or the remote control.
- **To Power Off:** Press the power button on the remote control once to enter standby mode, or press and hold to fully shut down.

5.2 Navigating Android TV 13.0

Your EGate Atom 4X Projector runs on Android TV 13.0, providing a smart interface for apps and media.

1. **Remote Control:** Use the provided remote control to navigate the interface. The directional pad, OK button, Back button, and Home button are essential for navigation.
2. **Wi-Fi Connection:** Go to Settings > Network & Internet to connect to your home Wi-Fi network.
3. **Google Account:** Sign in with your Google account to access the Google Play Store and personalize your experience.

4. **App Access:** Pre-loaded apps like Netflix, Prime Video, and YouTube are available. Download more apps from the Google Play Store.



Image: The EGate Atom 4X Projector displaying the Android 13 interface with various streaming app icons like YouTube, Netflix, and Prime Video.

5.3 Adjusting Picture and Sound Settings

Access the projector's settings menu to customize picture and sound preferences.

- **Picture Modes:** Select from various picture modes (e.g., Standard, Vivid, Cinema) or adjust brightness, contrast, and color manually.
- **Sound Modes:** Choose sound presets or adjust bass and treble for the built-in 7W speaker or connected audio devices.



Image: A split screen comparison showing the superior picture quality of the EGate Atom 4X (1080p) versus a 720p projector, highlighting vibrant colors and sharp details.

6. CONNECTIVITY

6.1 Wired Connections

The projector offers several wired ports for connecting external devices:

- **HDMI 2.1 (ARC/eARC/CEC):** Connect gaming consoles, Blu-ray players, laptops, or streaming devices. ARC/eARC allows audio return to compatible sound systems, and CEC enables control of connected devices with a single remote.
- **USB:** Connect USB flash drives for media playback or external hard drives.
- **3.5mm Audio Out:** Connect external headphones or speakers.

Fully Automatic

Auto Focus and Auto 4P+4D Keystone for Perfect Projection Alignment



Image: The EGate Atom 4X Projector surrounded by various devices (laptop, tablet, game controller, speaker, headphones) illustrating its HDMI, USB, Audio, Wi-Fi 6, and Bluetooth connectivity.



Image: Close-up view of the EGate Atom 4X Projector's rear panel, detailing the HDMI, USB, and Audio ports for universal device compatibility.

6.2 Wireless Connections

- **Dual Band Wi-Fi 6:** Connect to 2.4GHz or 5GHz Wi-Fi networks for high-speed internet access and seamless streaming.
- **Bluetooth 5.0:** Pair with Bluetooth speakers, headphones, or other compatible audio devices for wireless sound.
- **Screen Mirroring:** Wirelessly cast content from Windows, iOS, and Android devices using Miracast or similar protocols.

Seamless Connectivity

Host of ports with next generation dual band Wi-fi 6



HDMI



USB



Audio



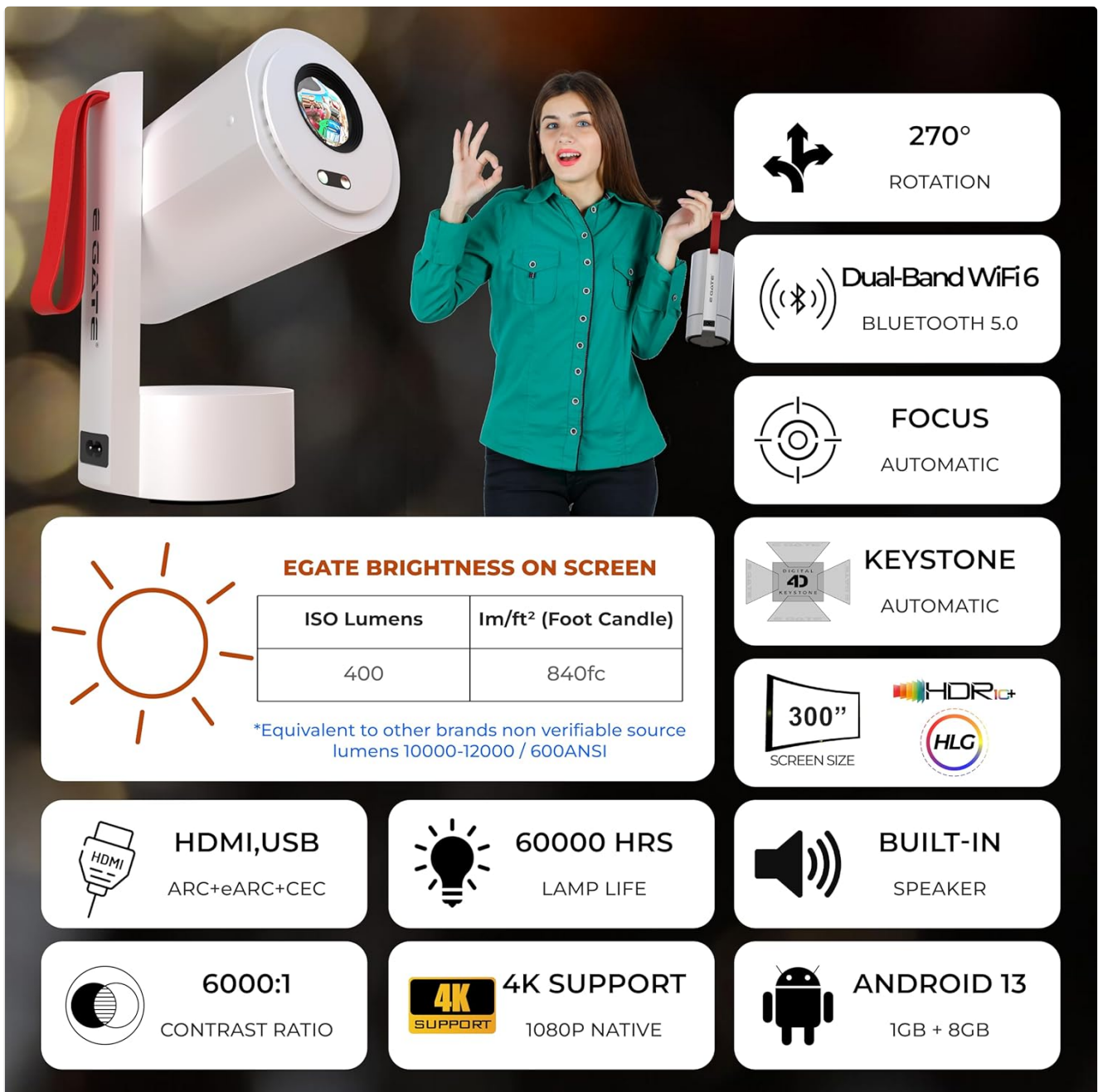
Wi-Fi 6

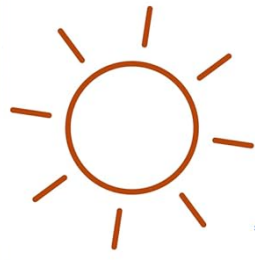


Bluetooth




Image: A smartphone screen being mirrored wirelessly to the EGate Atom 4X Projector via Dual-Band Wi-Fi 6, showing compatibility with Miracast, Android, iOS, and Windows.






ISO Lumens	lm/ft ² (Foot Candle)
400	840fc

*Equivalent to other brands non verifiable source lumens 10000-12000 / 600ANSI




270°

ROTATION




Dual-Band WiFi 6

BLUETOOTH 5.0




FOCUS

AUTOMATIC




KEYSTONE

AUTOMATIC




300"

SCREEN SIZE




HDMI,USB

ARC+eARC+CEC



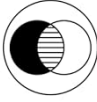
60000 HRS

LAMP LIFE




BUILT-IN

SPEAKER




6000:1

CONTRAST RATIO



4K SUPPORT

1080P NATIVE



ANDROID 13

1GB + 8GB

Image: The EGate Atom 4X Projector positioned with Bluetooth headphones and a portable speaker, illustrating seamless Bluetooth 5.0 connectivity for audio.

7. MAINTENANCE

7.1 Cleaning the Projector

- **Exterior:** Use a soft, dry cloth to wipe the exterior of the projector. Do not use abrasive cleaners or solvents.
- **Lens:** Gently clean the projector lens with a lens cleaning cloth or a soft, lint-free cloth specifically designed for optical surfaces. Avoid touching the lens directly with your fingers.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating. Use a soft brush or compressed air to clean them periodically.

7.2 Storage

When not in use for extended periods, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or a protective case to prevent dust accumulation and damage.

8. TROUBLESHOOTING

If you encounter issues with your EGate Atom 4X Projector, refer to the following common problems and solutions:

8.1 No Image or "No Signal" Message

- **Check Power:** Ensure the projector is properly connected to a power source and turned on.
- **Input Source:** Verify that the correct input source (HDMI, USB, etc.) is selected in the projector's menu.
- **Cable Connection:** Ensure all HDMI or USB cables are securely connected to both the projector and the source device.
- **Source Device:** Confirm that the source device (laptop, console) is powered on and outputting a signal.

8.2 Blurry Image

- **Auto Focus:** Allow the projector a few seconds to perform automatic focus. If the image remains blurry, try moving the projector slightly or restarting it.
- **Lens Cleaning:** Clean the projector lens with a soft, lint-free cloth.
- **Projection Distance:** Ensure the projector is within the recommended projection distance for the desired screen size.

8.3 Distorted or Tilted Image (Keystone)

- **Auto Keystone:** The projector should automatically correct keystone. If the image is still distorted, try repositioning the projector.
- **Manual Keystone:** Access the projector's settings menu to manually adjust keystone correction (4P and 6D options).

8.4 No Sound

- **Volume Level:** Check the volume level on both the projector and the source device.
- **Mute Function:** Ensure the projector is not muted.
- **Audio Output:** If using external speakers or headphones, ensure they are properly connected and selected as the audio output in the projector's settings.
- **Bluetooth Connection:** If using Bluetooth audio, ensure the device is correctly paired and connected.

9. SPECIFICATIONS

Feature	Detail
Brand	E GATE
Model Name	Atom 4X
Model Number	Ei9027
Native Resolution	1920 x 1080 (Full HD)
Supported Resolution	Up to 4K (3840 x 2160)
Brightness	400 ISO Lumens
Contrast Ratio	6000:1
Display Type	LCD
Aspect Ratio	16:9
Max Screen Size	300 inches (762cm)
Operating System	Android TV 13.0
Processor	Amlogic T950S Quad Core
RAM/ROM	1GB RAM / 8GB ROM
Wi-Fi	Dual Band Wi-Fi 6 (2.4 + 5 GHz)
Bluetooth	Bluetooth 5.0
Connectivity	HDMI 2.1 (ARC/eARC/CEC), USB, 3.5mm Audio Out
Special Features	Auto Focus, Auto Keystone (4P & 6D), HDR10+/HLG Support, 270° Rotatable Design, Screen Mirroring
Lamp Life	60,000 Hours
Built-in Speaker	7 Watt
Product Dimensions	12.5 x 11 x 22.5 cm
Item Weight	990 g

10. WARRANTY AND SUPPORT

The EGate Atom 4X Projector comes with a **1-year warranty** provided by EGate from the date of purchase. To avail warranty benefits, it is mandatory to register your product.

EGate offers free home pickup and drop service during the warranty period. For more details and product registration, please visit the official EGate website or contact customer support.

Manufacturer: Egate Infotel Pvt Ltd, 503, SG Alpha Tower II, Sec 9, Vasundhara, Ghaziabad, UP, Optroniq India (Importer)

