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AKIA SCREENS AK-MOTORIZE110H2

Akia Screens Motorized Projector Screen User Manual

Model: AK-MOTORIZE110H2

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Akia Screens Motorized Projector Screen. Designed for optimal viewing experience, this 110-inch diagonal screen features a 16:9 aspect ratio, MaxWhite 2 material, and is compatible with 4K, 8K, HD, and 3D projection. Its motorized function allows for convenient retraction and deployment via remote control or 12V trigger.

SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installation and operation to prevent injury and damage to the product. Retain this manual for future reference.

- Ensure the screen is installed by qualified personnel following local building codes.
- Do not attempt to disassemble or modify the screen motor or electrical components.
- Keep hands and objects clear of the screen casing during operation to avoid pinching or entanglement.
- Do not expose the screen to excessive moisture or extreme temperatures.
- Use only the provided power adapter and remote controls.
- This screen is NOT COMPATIBLE with Ultra Short Throw (UST) projectors.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unboxing:

- Motorized Projector Screen Unit (110-inch)
- Infrared (IR) Remote Control
- Wall Box Controller with built-in IR sensor
- Power Cable
- Installation Kit (mounting brackets, screws, anchors)
- User Manual (this document)



Image: The Akia Screens 110-inch motorized projector screen, showcasing the main unit along with the two remote controls and a connecting cable.

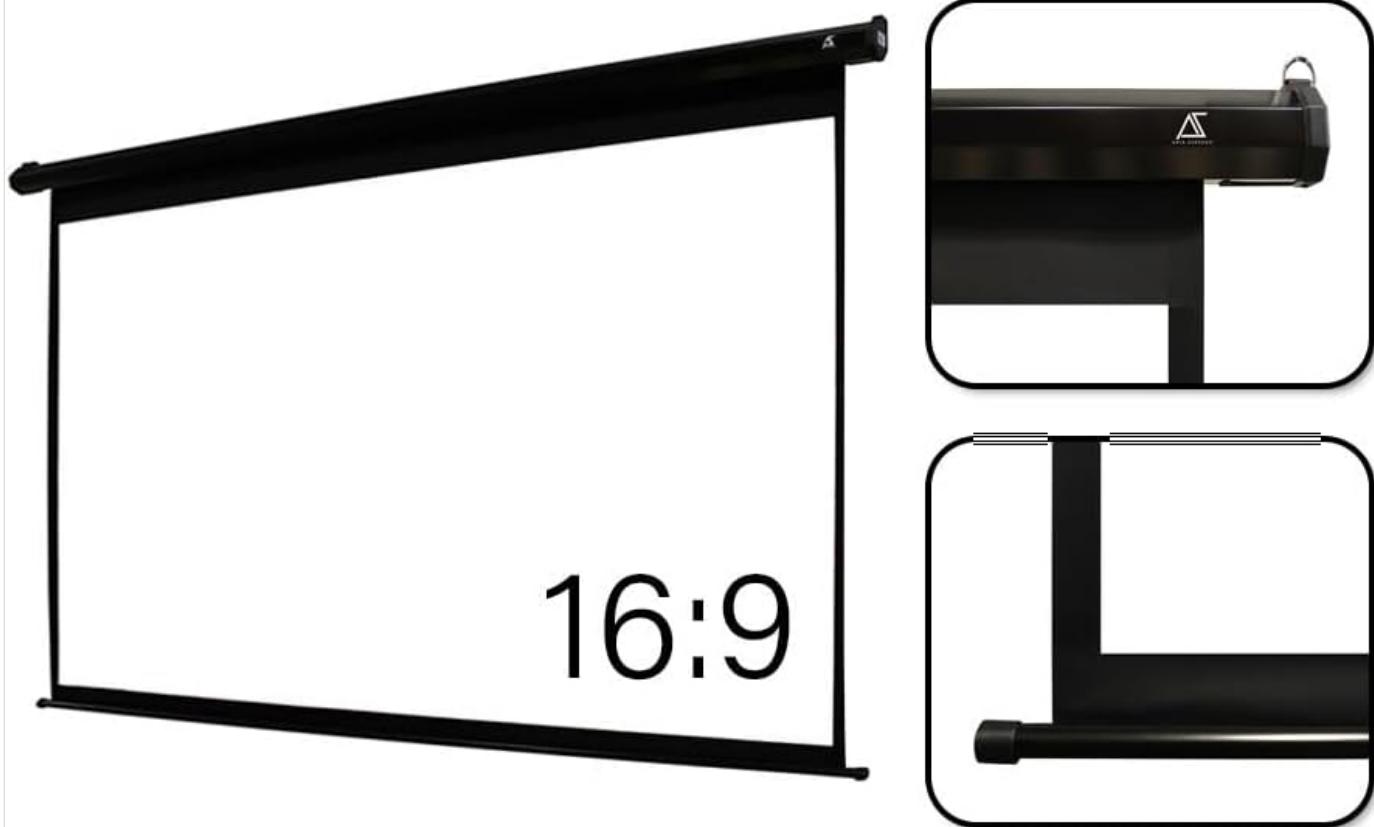
PRODUCT OVERVIEW

The Akia Screens motorized projector screen is designed for versatile installation and high-quality projection. Key features include:

- **Durable Metal Casing:** Houses the screen and motor, suitable for wall or ceiling installations.
- **MaxWhite 2 Screen Material:** A multi-layer weave with 1.1 gain and a 180-degree wide viewing angle, optimized for 4K Ultra HD, 8K, and Active 3D projection. It is GreenGuard and GreenGuard GOLD Certified.
- **Black Backing:** Eliminates light penetration for a brighter, sharper image.
- **Black Masking Borders:** Standard black borders enhance picture contrast and absorb projector overshoot.
- **Tubular Motor:** Ensures smooth and quiet operation for screen retraction and deployment.

ELECTRIC MOTORIZED

Screen Design & Detail



Casing & Masking Borders

- Durable casing for wall/ceiling installations
- Standard black-masking borders provide an increase in picture contrast.
- Tubular motor allows Seift operation and Speed.

Image: Close-up views of the screen's durable black metal casing and the black masking borders that frame the projection surface.

ELECTRIC MOTORIZED

Projector Screen 16:9 Aspect Ratio



Material Details

- **MaxWhite® 2** Front projection material
- Wide **180 degree** viewing angle with a **1.1 Gain**
- **ISF® (Imaging Science Foundation) Certified**
- **GREENGUARD® and GREENGUARD® Gold Certified | UL 2818**
- Black backing eliminates light penetration for a brighter picture

Image: Illustration of the MaxWhite 2 screen material, highlighting its black backing and certifications like GreenGuard and ISF, indicating quality and low chemical emissions.

SETUP

1. Mounting the Screen

The screen can be installed on a wall or ceiling. Ensure the mounting surface is strong enough to support the screen's weight (approximately 24 lbs for the 110-inch model).

1. **Measure and Mark:** Determine the desired mounting location. Use a level to mark the positions for the mounting brackets. Refer to the screen's overall width (105.5 inches) and product dimensions (102.8"W x 63.87"H) for accurate placement.
2. **Drill Holes:** Drill pilot holes at the marked locations. Use appropriate drill bits for your wall or ceiling material.

3. **Install Brackets:** Secure the mounting brackets using the provided screws and anchors. Ensure they are firmly attached.
4. **Hang Screen:** Carefully lift the screen and attach it to the installed mounting brackets. Ensure it is securely seated.

2. Connecting Power

Plug the power cable into the screen's power input and then into a standard electrical outlet. The screen is designed for plug-and-play operation.

3. Remote Control and Wall Box Setup

The screen comes with an Infrared (IR) remote and a wall box controller. The wall box controller has a built-in IR sensor and an RJ50 port for the 12V trigger feature.

- **IR Remote:** Point the IR remote directly at the IR sensor on the wall box controller for operation.
- **Wall Box Controller:** Mount the wall box controller in a convenient location. It can be detached for a cleaner look if you primarily use the IR remote or an optional RF remote (sold separately).

4. 12V Trigger Feature (Optional)

The 12V trigger feature allows the screen to automatically deploy or retract in synchronization with your projector's power cycle. This requires a projector with a 12V trigger output.

- Connect a 12V trigger cable (not included, typically supplied with projector or purchased separately) from your projector's 12V output to the RJ50 port on the screen's wall box controller.
- Once connected, the screen will automatically lower when the projector is turned on and retract when the projector is turned off.

ELECTRIC MOTORIZED

Screen Lifestyle Application



Control System

- Infrared (IR) & wall box controller has built-in IR sensor, RJ50 Port for wired 12-volt trigger feature
- Wireless 12v trigger using RF remote, Built-in selectable channels allow programming different RF remote code for controlling multiple screens and reduce electrical interference.

Image: The screen's control system, illustrating the infrared (IR) remote and the wall box controller with its RJ50 port for the 12-volt trigger connection.

OPERATING INSTRUCTIONS

Using the Remote Control

The included IR remote control allows for easy operation of the screen.

- **UP Button:** Press to retract the screen fully into its casing.
- **DOWN Button:** Press to deploy the screen fully.
- **STOP Button:** Press to stop the screen at any desired position during deployment or retraction.

Programmable Vertical Drop Position

The screen features a user-friendly programmable vertical drop position for customized viewing heights.

1. Deploy the screen to your desired lower limit using the DOWN button.
2. Press and hold the STOP button on the remote or wall box controller for approximately 5 seconds until the screen

jogs slightly. This sets the new lower limit.

3. To reset to factory default, consult the full technical manual or contact customer support.

MAINTENANCE

Proper care will ensure the longevity and performance of your projector screen.

- Cleaning the Screen Surface:** The MaxWhite 2 screen material is easy to clean. Use a soft cloth dampened with mild soap and water. Gently wipe the screen surface. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the screen.
- Casing Maintenance:** Wipe the metal casing with a dry or slightly damp cloth to remove dust.
- Motor Care:** The motorized mechanism is maintenance-free. Do not lubricate or attempt to service the motor.
- Storage:** When not in use for extended periods, ensure the screen is fully retracted into its casing to protect the surface from dust and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Screen does not respond to remote.	No power to screen. Remote batteries are dead. IR sensor blocked or out of range.	Check power connection and outlet. Replace remote batteries. Ensure clear line of sight to IR sensor on wall box controller.
Screen stops unexpectedly during operation.	Obstruction in screen path. Motor overheating (rare).	Check for any obstructions and remove them. Unplug the screen for 30 minutes to allow the motor to cool down, then try again.
Screen is wavy or has creases.	Screen material shifted during transit or initial deployment. Improper storage or environmental conditions.	Fully retract and deploy the screen several times. Ensure the screen is stored retracted when not in use. Allow time for material to relax.
12V trigger not working.	Incorrect cable connection. Projector 12V output issue.	Verify the 12V trigger cable is correctly connected to the RJ50 port and the projector. Consult your projector's manual for 12V trigger settings.

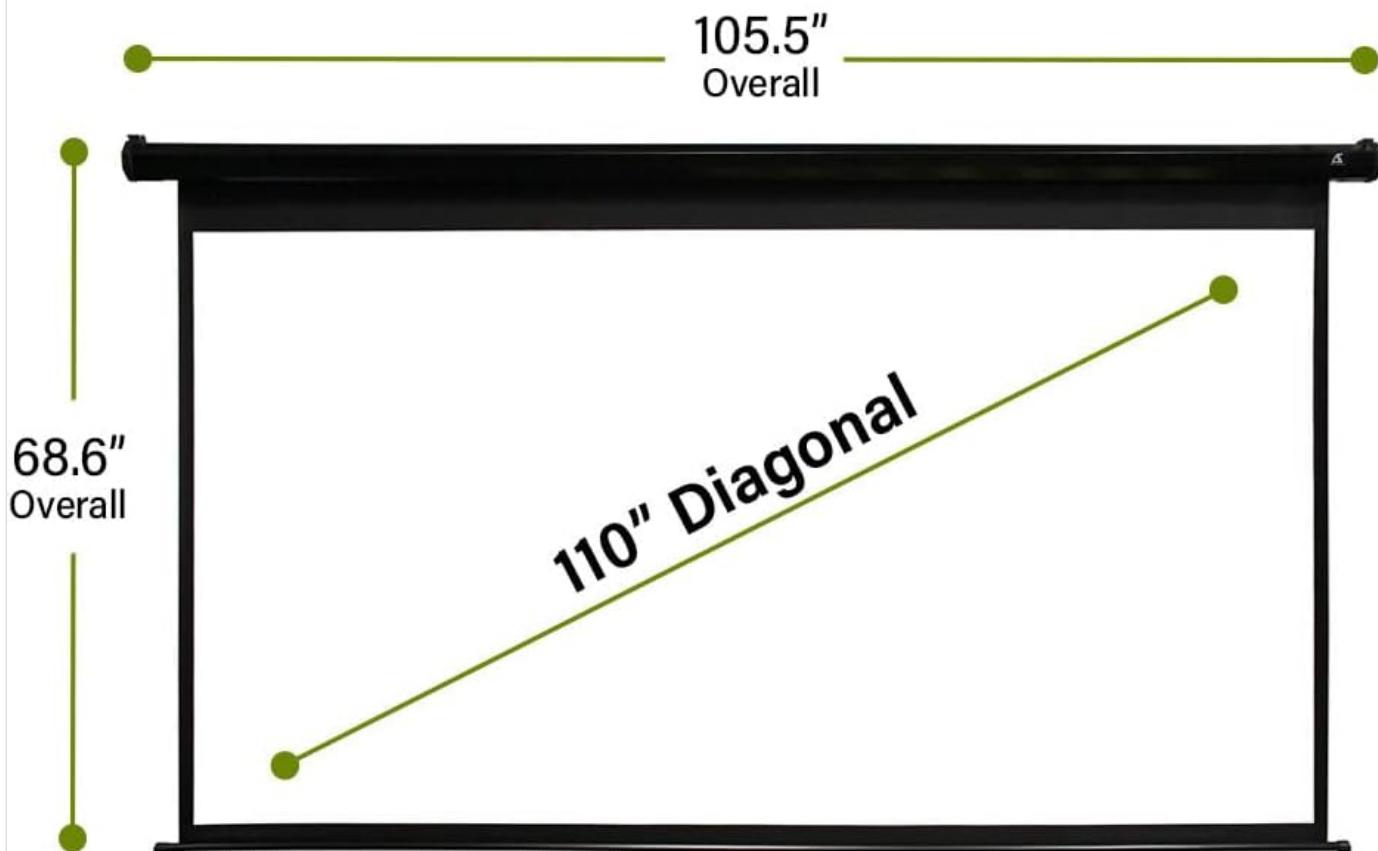
SPECIFICATIONS

Feature	Detail
Model Number	AK-MOTORIZE110H2
Screen Size (Diagonal)	110 inches
Viewing Area (H x W)	54 inches x 96 inches
Aspect Ratio	16:9 HD Format

Feature	Detail
Overall Extended Size (H x W)	68.6 inches x 105.5 inches
Product Dimensions (Casing)	102.8"W x 63.87"H
Screen Material	MaxWhite 2 (1.1 Gain, 180° Viewing Angle, Black Backed)
Compatibility	4K Ultra HD, 8K, Active 3D (Not compatible with UST projectors)
Certifications	GreenGuard, GreenGuard GOLD, UL 2818
Control System	IR Remote, Wall Box Controller, 12V Trigger (RJ50)
Mounting Type	Wall Mount and Ceiling Mount
Item Weight	24 pounds
Casing Material	Metal
Country of Origin	China
Date First Available	August 1, 2024

ELECTRIC MOTORIZED

Model: **AK-MOTORIZE110H2** Dimensions | **16:9**



Viewing Area: 54" Height x 96" Width

Shipping Dimensions: 107" x 5" x 5"

Product Weight

21 lbs

Image: A technical diagram illustrating the overall and viewing dimensions of the 110-inch motorized projector screen.

WARRANTY AND SUPPORT

Akia Screens provides comprehensive support for its products.

- **Warranty:** 2-Year Manufacturer's Warranty from an ISO9001 certified manufacturer (since 2004).
- **Technical Support:** Lifetime Technical Support available via Email, Web Chat, or Toll-Free phone call. Support is provided by a U.S. Based Professional Service Team.

For assistance, please visit the official Akia Screens website or refer to the contact information provided with your product documentation.



U.S.

- ✓ Based
- ✓ Stock
- ✓ Service
- ✓ Since 2004



Email
Support



Live
Web Chat

Image: A visual representation of Akia Screens' U.S. based customer support team, highlighting the 2-year warranty and lifetime technical support.