

AKIA SCREENS AK-ELT120H

Akia Screens AK-ELT120H Motorized Tab-Tension Projector Screen User Manual

Model: AK-ELT120H

1. INTRODUCTION

Thank you for choosing the Akia Screens AK-ELT120H Motorized Tab-Tension Projector Screen. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new projector screen. Please read this manual thoroughly before use and retain it for future reference.

Key Features:

- **120-inch Diagonal, 16:9 Aspect Ratio:** Provides a large viewing area suitable for home theater and commercial applications.
- **CineWhite P Material:** 1.0 gain flexible front projection material with a 180-degree viewing angle, 4K/8K Ultra HD ready, and ISF Certified for accurate color reproduction. Features a black backing to eliminate light penetration.
- **Tab-Tension System:** Ensures a flat, ripple-free projection surface for optimal image quality.
- **Motorized Operation:** Features a silent, energy-efficient synchronized motor for smooth screen deployment and retraction.
- **Versatile Control System:** Includes Infrared (IR) remote, wall box controller with built-in IR sensor, and RJ50 Port for wired 12-volt trigger integration. User-friendly programmable vertical drop position.
- **Installation Flexibility:** Durable black casing with flush wall sliding brackets for easy wall or ceiling installation and horizontal centering.
- **Projector Compatibility:** Compatible with Ultra Short Throw (UST), Short Throw, and Standard Throw projectors.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or other injury or damage.

- Read all instructions before operating the screen.
- Do not allow children to operate the screen without supervision.

- Ensure the screen is securely mounted according to the installation instructions to prevent it from falling.
- Do not obstruct the movement of the screen during operation. Keep hands and objects clear of the screen path.
- Disconnect power before performing any maintenance or cleaning.
- Do not expose the screen to moisture or extreme temperatures.
- Use only the provided power cord and accessories.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. PACKAGE CONTENTS

Please verify that all components are present before proceeding with installation:

- Motorized Tab-Tension Projector Screen (AK-ELT120H)
- Infrared (IR) Remote Control
- Wall Box Controller
- Power Cable
- Installation Kit (mounting brackets, screws, anchors)
- RJ50 Cable (for 12-volt trigger feature)



Image: Main product image showing the motorized screen, two remote controls, and a cable, representing the typical package contents.

4. SETUP AND INSTALLATION

The AK-ELT120H screen is designed for wall or ceiling installation. It ships fully assembled and is plug-and-play ready. Professional installation is recommended.

4.1 Mounting Location Considerations

- Ensure the mounting surface (wall or ceiling) can support the screen's weight (approximately 28.7 pounds).
- Locate wood studs or use appropriate anchors for secure installation.
- Consider the projector's throw distance and offset to ensure the image aligns correctly with the screen.
- Ensure a power outlet is within reach of the screen's power cord.

4.2 Installation Steps

1. **Attach Mounting Brackets:** Secure the flush wall sliding brackets to your chosen wall or ceiling location. These brackets allow for horizontal adjustment to center the screen.

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Image: Detail of the mounting bracket attached to the screen casing, illustrating how it connects for installation.

2. **Mount the Screen:** Carefully lift the screen and attach it to the installed brackets. Slide the screen horizontally as needed to achieve proper centering.
3. **Connect Power:** Plug the screen's power cord into a standard electrical outlet.
4. **Optional 12-Volt Trigger Connection:** If using a projector with a 12-volt trigger output, connect the RJ50 cable from the projector to the RJ50 port on the screen's wall box controller. This allows the screen to automatically deploy/retract with your projector's power cycle.



Motorized Tab-Tension Series Electric Wall/ Ceiling Projection Screen Control System

- Infrared (IR) and wall box controller has built-in IR sensor, RJ50 Port for wired 12-volt trigger feature
- The synchronized motor is silent, energy efficient, and enhances product longevity
- Up/Stop/Down toggle switch for manual operation
- Plug & Play ready, no hardwired installation required

Image: The control system, showing the remote and the wall box controller, which includes the RJ50 port for the 12-volt trigger.

5. OPERATION

Your Akia Screens motorized projector screen can be operated using the included IR remote control or the wall box controller.

5.1 Using the IR Remote Control

- Point the IR remote control towards the screen's IR sensor (located on the wall box controller).
- Press the **UP** button to raise the screen.
- Press the **DOWN** button to lower the screen.
- Press the **STOP** button to pause the screen at any desired position.

5.2 Using the Wall Box Controller

- The wall box controller features an up/stop/down toggle switch for manual operation.
- Move the switch **UP** to raise the screen.
- Move the switch **DOWN** to lower the screen.
- Return the switch to the **MIDDLE** position to stop the screen.

5.3 Programmable Vertical Drop Position

The screen allows you to set a custom lower limit for the screen's drop position. Refer to the detailed instructions included with your screen for programming this feature. This is useful for optimizing the viewing area for your specific projector setup.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your projector screen.

- **Screen Surface Cleaning:** The CineWhite P material is easy to clean. Gently wipe the screen surface with a soft, damp cloth using mild soap and water. Avoid abrasive cleaners or harsh chemicals, as these can damage the screen material.
- **Casing Cleaning:** Wipe the screen casing with a soft, dry cloth to remove dust.
- **Motor Inspection:** Periodically check the motor for any unusual noises or signs of wear. If any issues arise, contact customer support.
- **General Inspection:** Regularly inspect the mounting hardware and cables to ensure they are secure and undamaged.

7. TROUBLESHOOTING

If you encounter issues with your Akia Screens projector screen, refer to the following common problems and solutions:

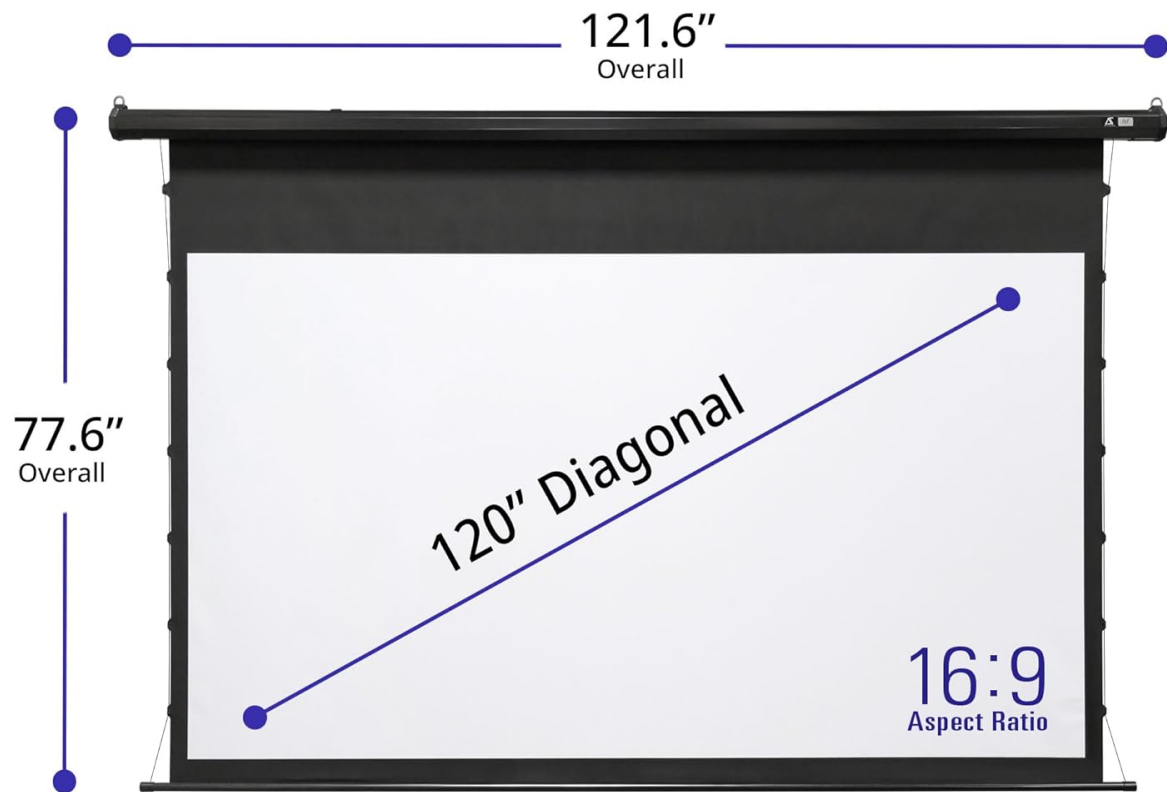
Problem	Possible Cause	Solution
Screen does not respond to remote/wall switch.	No power, remote batteries dead, IR sensor blocked, remote not paired.	<ul style="list-style-type: none">◦ Check if the screen is plugged into a working power outlet.◦ Replace batteries in the IR remote.◦ Ensure no objects are blocking the IR sensor on the wall box controller.◦ Refer to the full manual for remote pairing instructions if applicable.
Screen stops halfway or moves erratically.	Motor malfunction, obstruction, power fluctuation.	<ul style="list-style-type: none">◦ Check for any physical obstructions in the screen's path.◦ Unplug the screen for 5 minutes, then plug it back in to reset the motor.◦ If the problem persists, contact customer support.
Wrinkles or ripples on the screen surface.	Initial setup, environmental factors.	<ul style="list-style-type: none">◦ The tab-tension system is designed to minimize wrinkles. Minor wrinkles may dissipate over time with regular use.◦ Ensure the screen is not exposed to extreme temperature changes.◦ If severe, contact customer support.

Problem	Possible Cause	Solution
12-volt trigger not working.	Incorrect connection, projector setting.	<ul style="list-style-type: none">◦ Verify the RJ50 cable is securely connected to both the projector and the screen's wall box controller.◦ Check your projector's settings to ensure the 12-volt trigger output is enabled.

8. SPECIFICATIONS

Feature	Detail
Model Number	AK-ELT120H
Screen Type	Motorized Tab-Tension Projector Screen
Diagonal Size	120 inches
Aspect Ratio	16:9
Viewing Area (H x W)	58.8" H x 104.5" W
Overall Size (H x W)	77.6" H x 121.6" W
Screen Material	CineWhite P (1.0 Gain, Flexible Front Projection)
Viewing Angle	180 degrees
Resolution Support	4K/8K Ultra HD Ready
Certifications	ISF Certified for Accurate Color Reproduction
Projector Compatibility	Ultra Short Throw, Short Throw, Standard Throw
Control Options	IR Remote, Wall Box Controller, 12-Volt Trigger (RJ50)
Casing Material	Metal
Item Weight	28.7 pounds
Mounting Type	Wall or Ceiling Mount

Motorized Tab-Tension Projection Screen



Model: **AK-ELT120H**

Viewing Area: 58.8" H x 104.6" W

Shipping Dimensions: 124" x 6" x 5"

Assembled Weight

29 lbs

Image: Dimensional diagram of the AK-ELT120H screen, indicating 120-inch diagonal, 16:9 aspect ratio, 121.6" overall width, and 77.6" overall height.

Motorized Tab-Tension Projection Screen



CineWhite P Material

- Flexible matte white front projection screen material
- Wide **180 degree** viewing angle with **1.0 gain**
- **Black backing** eliminates light penetration for a brighter picture
- **ISF Certified** for accurate color reproduction- An industry standard for high fidelity video display systems

Image: Visual representation of the CineWhite P material, highlighting its flexible matte white surface, 1.0 gain, 180-degree viewing angle, black backing, and ISF certification.

9. WARRANTY AND SUPPORT

Akia Screens provides comprehensive support for its products.

- **Manufacturer's Warranty:** The product comes with a 2-Year/3-Year ENR-G Manufacturer's Warranty by Elite Screens (if purchased NEW). Elite Screens is an ISO9001 manufacturer since 2004.
- **Technical Support:** Lifetime Technical Support is available via email or phone call from Elite Screens' Professional Service Team.

For warranty claims, technical assistance, or further inquiries, please contact Akia Screens customer service or visit their official website.

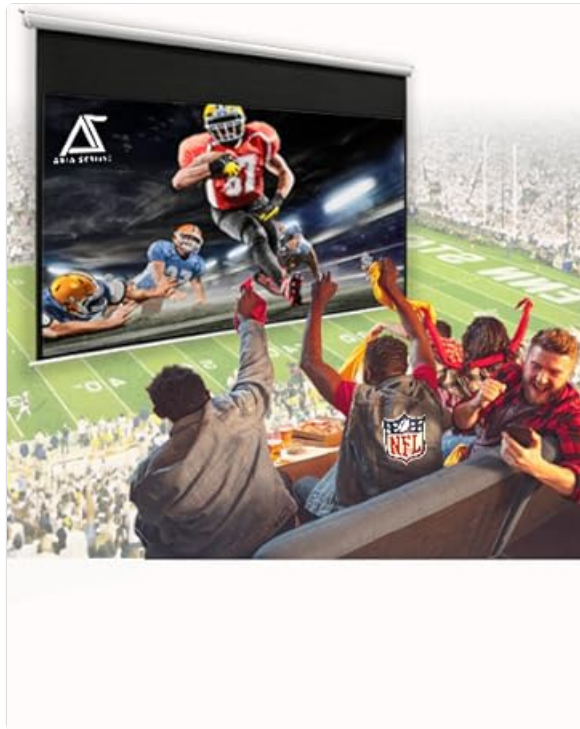
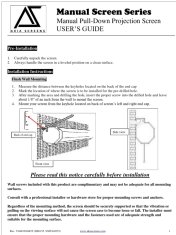
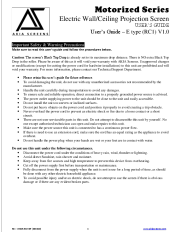



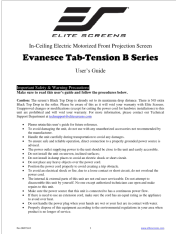

Image: Graphic detailing Akia Screens' US-based support, 2-year warranty, and lifetime technical support via email and web chat.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - AK-ELT120H

	<p>AKIA SCREENS Manual Pull-Down Projection Screen User Guide & Installation</p> <p>Comprehensive user guide for AKIA SCREENS Manual Pull-Down Projection Screens. Includes installation instructions, operation tips, maintenance advice, and important disclaimers for optimal performance.</p>
	<p>Akia Screens Motorized Series Electric Wall/Ceiling Projection Screen User Guide</p> <p>This user guide provides important safety precautions, installation instructions, and operation details for the Akia Screens Motorized Series Electric Wall/Ceiling Projection Screen, E type (RC1) V1.0. It covers wall and ceiling mounting, remote control operation, wired trigger functionality, and material disclaimers.</p>

 <p>Dark Star® Max UST-FR Floor Rising Ceiling Ambient Light Rejecting Screen For Ultra-Short Throw Projectors User's Guide - V2</p>	<p>EPV Dark Star Max UST-FR User's Guide: Safeguards, Maintenance, Operation, and Installation</p> <p>This user guide provides essential information for the EPV Dark Star Max UST-FR Floor Rising Ceiling Ambient Light Rejecting Screen. It covers safety precautions, screen maintenance, FCC compliance, parts identification, control methods, remote operation, battery instructions, anti-pinch features, and crucial projector placement guidelines for optimal performance.</p>
 <p>Evanesce Tab-Tension B Series In-Ceiling Electric Motorized Front Projection Screen User's Guide</p>	<p>Elite Screens Evanesce Tab-Tension B Series In-Ceiling Electric Projector Screen User Guide</p> <p>Comprehensive user guide for the Elite Screens Evanesce Tab-Tension B Series in-ceiling electric motorized front projection screen, covering safety precautions, operation, controls, and installation instructions.</p>
 <p>Kestrel Tab-Tension 2 CLR@/CLR@ 3 Series Floor Rising Ceiling Ambient Light Rejecting (CLR@/CLR@) Tab-Tensioned Motorized Screen User's Guide - 20th Year (REV)</p>	<p>Elite Screens Kestrel Tab-Tension 2 CLR@/CLR@ 3 Series User Guide</p> <p>This user guide provides essential information for the Elite Screens Kestrel Tab-Tension 2 CLR@/CLR@ 3 Series, covering important safeguards, screen maintenance, FCC compliance, parts identification, screen operation, and projector placement for ultra-short throw projectors.</p>