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> WEMAX R4 100-inch Electric Floor Rising Projection Screen User Manual

WEMAX R4 100 inch

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Model: R4 100 inch

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your WEMAX R4 100-inch Electric Floor Rising Tension Indoor Projection Screen. This screen is designed for various environments including living rooms, meeting rooms, training rooms, and entertainment rooms, supporting 4K UHD and Active 3D content.

The WEMAX R4 features an aluminum alloy structure, a motorized floor-rising mechanism, smart voice control compatibility, and a self-leveling system for a smooth viewing surface.

2. PRODUCT FEATURES

- **Aluminum Alloy Structure:** Features a sturdy aluminum alloy square basement, suitable for floor, wall, and cabinet installations.
- **Various Screen Materials:** Available in Soft White, Soft Grey (0.85 Gain), Soft Metal, and Telephoto Anti-Light screens, catering to different projector types and ambient light conditions.
- **Smart Voice Control:** Compatible with Amazon Alexa and Google Assistant via the "Tuya" app for convenient voice operation.
- **Motorized Floor Rising Mechanism:** The screen rises from the ground within 8 seconds, activated by a switch or IR remote control.
- **USB Trigger:** Equipped with a pre-coded USB trigger that can be inserted into a projector's USB port to synchronize screen operation with the projector.
- **Self-Leveling System:** Utilizes scissor-backed industry-grade cross-spring risers to ensure a flat and smooth projection surface. The screen automatically drops approximately 5cm from its highest point to maintain flatness.
- **Anti-Pinch System:** A safety feature that stops the motor immediately if any obstruction is detected when the screen is closing.
- **Quiet Motor Operation:** Features an ultra-quiet design for minimal disturbance during use.

- **Overheating Protection:** Automatic power-off in case of overheating to ensure safety and prolong motor life.

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**120 inch
R2**

Image: Icons illustrating key features such as 3D 4K support, home theater compatibility, easy setup, and space-saving design.

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**150 inch
R3**

Image: Detailed view of the internal motor, highlighting features like DC power supply, ultra-quiet design, limit adjustment, and overheating protection.

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**100 inch
R4**

Image: Product details showcasing the tension design for a flat screen, the aluminum alloy top cover, the electric rising mechanism, and the compact all-in-one design.

3. PACKING LIST

Please verify that all items are present in the package before proceeding with installation.

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**120 inch
R5**

Image: Contents of the product package, including the wireless RF remote control, power line, adjust rod, wireless trigger, and user manual.

- Wireless RF Remote Control
- Power Line (detachable power cord)
- Adjust Rod (for screen height adjustment)
- Wireless Trigger (USB dongle for projector synchronization)
- User Manual

4. SETUP AND INSTALLATION

The WEMAX R4 screen is designed for versatile installation, including floor, wall, and cabinet mounting. Ensure the installation surface is stable and capable of supporting the screen's weight.

4.1 Dimensions and Weight

Refer to the following table and diagram for detailed product dimensions and weight, which are crucial for planning your installation.

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**150 inch
R6**

Image: Technical drawing illustrating various dimensions (L1, L2, W1, W2, H1, H2, H3) and a table detailing sizes (100-inch, 120-inch, 150-inch) with corresponding dimensions, net weight, gross weight, and package size.

Product Dimensions and Weight (100-inch model)

Measurement	Value
Product Dimensions (W x H)	87"W x 69"H
Display Dimensions	100 inch

Measurement	Value
Net Weight	27.0 kg
Gross Weight	30 kg
Package Size	250x180x2570 mm

4.2 General Installation Guidelines

1. **Unpacking:** Carefully remove the screen from its packaging. Retain packaging for future transport or storage.
2. **Placement:** Position the screen base on a flat, stable surface. For wall or cabinet installation, ensure appropriate mounting hardware (not included) is used and the structure can bear the weight.
3. **Power Connection:** Connect the power line to the screen and then to a suitable power outlet.
4. **USB Trigger (Optional):** If the USB trigger is connected to your projector, the screen will automatically rise when the projector is turned on and retract when the projector is turned off.

5. OPERATION

5.1 Motorized Screen Operation

- **Manual Control:** Use the integrated switch on the screen's base or the provided IR remote control to raise or lower the screen.
- **USB Trigger Control:** If the USB trigger is connected to your projector, the screen will automatically rise when the projector is turned on and retract when the projector is turned off.
- **Self-Leveling:** The screen will automatically adjust to a flat position once fully extended, dropping approximately 5cm from its maximum height.
- **Anti-Pinch System:** During retraction, if an object obstructs the screen's path, the anti-pinch system will stop the motor to prevent damage. Remove the obstruction and resume operation.

5.2 Smart Voice Control

To enable voice control via Amazon Alexa or Google Assistant, follow these steps:

1. Download and install the "Tuya" app on your smartphone or tablet.
2. Follow the in-app instructions to connect your WEMAX R4 screen to the Tuya app.
3. Once connected to Tuya, link your Tuya account to your Amazon Alexa or Google Assistant account through their respective apps.
4. You can now use voice commands (e.g., "Alexa, turn on the screen" or "Hey Google, raise the projector screen").

5.3 Adjusting Screen Height

Use the provided Adjust Rod to fine-tune the screen's maximum extension height if needed. Refer to the detailed instructions in the included physical manual for precise adjustment procedures.

6. MAINTENANCE

- **Cleaning the Screen Surface:** Gently wipe the screen surface with a soft, damp cloth. Avoid abrasive cleaners or harsh chemicals that could damage the screen material.
- **Cleaning the Casing:** Use a dry or slightly damp cloth to clean the aluminum alloy casing.
- **Obstruction Prevention:** Ensure no objects are placed on or near the screen's path during operation to prevent

damage to the screen or motor.

- **Storage:** When not in use for extended periods, retract the screen fully into its casing to protect the screen surface.

7. TROUBLESHOOTING

- **Screen Does Not Respond:**

- Check if the power cord is securely connected to both the screen and the power outlet.
- Ensure the power outlet is functional.
- Verify that the remote control batteries are not depleted.

- **Screen Stops During Operation:**

- Check for any obstructions in the screen's path. The anti-pinch system may have activated. Remove the obstruction and try again.
- If the motor feels hot, the overheating protection may have engaged. Allow the unit to cool down before attempting operation again.

- **Voice Control Not Working:**

- Ensure the screen is properly connected to the "Tuya" app.
- Verify that your Tuya account is correctly linked to Amazon Alexa or Google Assistant.
- Check your internet connection and the status of your smart home hub/device.

- **Screen Surface Not Flat:**

- Allow the screen to fully extend and retract a few times. The self-leveling system should correct minor irregularities.
- If persistent, consult the physical manual for instructions on using the Adjust Rod for fine-tuning.

8. SPECIFICATIONS

Feature	Detail
Brand	WEMAX
Model Number	R4 100 inch
Mounting Type	Floor Mount (also suitable for wall/cabinet installation)
Material	Metal (enclosure)
Display Dimensions	100 inch
Product Dimensions (W x H)	87"W x 69"H
Screen Finish	Matte (Soft Grey Screen)
Viewing Angle	160 Degrees (Soft Grey Screen)
Operation Mode	Automatic (Motorized)
Gain (Soft Grey Screen)	0.85
Supported Resolutions	4K UHD, Active 3D Ready

8.1 Screen Material Specifications

The screen material significantly impacts performance with different projectors and lighting conditions.

- **Soft White Screen:** Gain: 1.0, Viewing Angle: 140 Degree. Suitable for Ultra Short Throw (UST) and telephoto projectors with <650 ANSI Lumens.
- **Soft Grey Screen (This Model):** Gain: 0.85, Viewing Angle: 160 Degree. Suitable for UST and telephoto projectors with >650 ANSI Lumens.
- **Telephoto Anti-Light Screen:** Gain: 0.6, Viewing Angle: 160 Degree. Suitable for telephoto projectors in ambient light. Not suitable for UST projectors.
- **Soft Metal Screen:** Gain: 1.5, Viewing Angle: 90 Degree. Suitable for telephoto projectors in dark environments. Not suitable for UST projectors.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This WEMAX R4 projection screen comes with a **12-Month Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact WEMAX customer support. Refer to the contact information provided in your product packaging or visit the official WEMAX website.

You can also visit the [WEMAX Store on Amazon](#) for additional product information and support resources.