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## Elite Screens ZPM-RT3

# Elite Screens Spectrum 2 Series Remote Control Kit (RC1)

**MODEL: ZPM-RT3**

Instruction Manual

## 1. PRODUCT OVERVIEW

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The Elite Screens Spectrum 2 Series Remote Control Kit (RC1), Model ZPM-RT3, provides enhanced control options for your Spectrum 2 Series electric projection screen. This kit includes both Infrared (IR) and Radio Frequency (RF) remote controls, along with a wall box controller, offering versatile operation. It also features a 12V trigger capability for synchronized operation with your projector.

# Control System



- **Wired 12v trigger capability using wall box controller or RF remote**
- **User-friendly programmable vertical stop position for easy installation**
- **Wall box controller: Removeable for a clean look while maintaining RF & IR functionality**
- **Built-in selectable channels allow RF remote programming to control multiple screens**
- **Programmable for drop down or rise up electric screens**
- **Compatible ONLY with new electric screen products**

Figure 1: Elite Screens ZPM-RT3 Control System Components

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Handheld Infrared (IR) Remote Control (ZRC1-IR)
- Handheld Radio Frequency (RF) Remote Control (ZRC1-RF)
- Wall Box Controller (ZRC1-WB)
- RJ50 Cable (RJ50)
- AAA Batteries (2 required for remotes)
- Circuit Board Housing



Figure 2: Complete ZPM-RT3 Kit Contents

### 3. SETUP AND INSTALLATION

Follow these steps to install and set up your ZPM-RT3 Remote Control Kit with your Elite Screens Spectrum 2 Series electric screen.

#### 3.1 Connecting the Circuit Board Housing

1. First, unplug your Spectrum 2 Series screen from its power source.
2. Disconnect the 3-Way Control In-Line switch from the Spectrum 2 screen.

3. Connect the Circuit Board Housing to the screen's power input.
4. Plug the Circuit Board Housing into a power source.

Video 1: Installation of the ZPM-RT3 Kit (Full Video). This video demonstrates the complete installation process, including power disconnection, switch removal, and circuit board housing connection. (Relevant segment: 0:13 - 0:33)

### 3.2 Synchronizing an RF Remote

To ensure your RF remote control communicates with the screen, follow these synchronization steps:

1. Connect the Wallbox Controller to the Circuit Board Housing using the RJ50 cable.
2. On the Wallbox Controller, press and hold the 'Programming Key' (usually a small button on the side or back).
3. While holding the 'Programming Key', press the 'Up Key' on the Wallbox Controller.
4. Immediately press the 'Up Key' on the RF Remote you wish to synchronize.
5. The RF remote is now synchronized and can control your Spectrum 2 screen.

Video 2: Synchronizing an RF Remote. This video demonstrates the steps for pairing your RF remote with the screen's control system. (Relevant segment: 0:43 - 1:06)

### 3.3 Setting up Wireless 5-12 Volt Trigger

The 12V trigger feature allows your screen to automatically deploy or retract in sync with your projector's power cycle. A 3.5mm to 3.5mm mono cable is required (not included).

1. Connect one end of the 3.5mm mono trigger cable to the RF Remote.
2. Connect the other end of the cable to the 12V trigger output on your projector.
3. Turn on the projector, and the screen should automatically deploy.
4. Turn off the projector, and the screen should automatically retract.

Video 3: Setting up Wireless 5-12 Volt Trigger. This video illustrates how to connect the trigger cable for automatic screen deployment/retraction with your projector. (Relevant segment: 1:07 - 1:38)

## 4. OPERATING THE REMOTE CONTROL KIT

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The ZPM-RT3 kit provides multiple ways to control your screen:

### 4.1 Handheld Remote Controls (IR & RF)

- **Up Button:** Press to raise the screen.
- **Down Button:** Press to lower the screen.
- **Stop Button:** Press to stop the screen at any desired position.

The RF remote offers greater range and does not require direct line-of-sight, while the IR remote requires pointing directly at the screen's IR receiver.

### 4.2 Wall Box Controller

The wall box controller provides manual control directly on the wall. It features similar Up, Stop, and Down buttons for convenient operation.



Figure 3: Wall Box Controller

### 4.3 Programmable Vertical Drop Position

The kit allows for user-friendly programmable vertical drop positions. Refer to the detailed instructions provided with your screen or the full installation video for specific programming steps to set your desired screen stop points.

## 5. MAINTENANCE

The ZPM-RT3 Remote Control Kit requires minimal maintenance. Keep the remotes and wall box controller clean and dry. Avoid exposing them to extreme temperatures or direct sunlight for prolonged periods. Replace AAA batteries in the remotes as needed to ensure optimal performance.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Remote not working	Low or dead batteries; remote not synchronized; IR receiver blocked.	Replace batteries; re-synchronize RF remote (see Section 3.2); ensure clear line-of-sight for IR remote.
Screen not deploying/retracting automatically with projector	12V trigger cable not connected properly; projector 12V output issue; RF remote not receiving trigger signal.	Check 3.5mm mono cable connection to RF remote and projector; ensure projector's 12V trigger is active; verify RF remote synchronization.
Screen stops at incorrect position	Programmable stop limits need adjustment.	Refer to your screen's manual or the full installation video for instructions on adjusting the programmable vertical drop position.

## 7. SPECIFICATIONS

- **Model Number:** ZPM-RT3
- **Product Dimensions:** 8 x 2 x 12 inches
- **Item Weight:** 2 pounds
- **Batteries:** 2 AAA batteries required (for remotes)
- **Control Type:** Infrared (IR), Radio Frequency (RF), Manual Wall Box
- **Special Feature:** Pre Programmed, 12V Trigger compatible
- **Compatible Devices:** Elite Screens Spectrum 2 Series electric projectable screens

## 8. WARRANTY AND SUPPORT

Elite Screens provides a 2-year warranty for this product. For technical support, product inquiries, or warranty claims, please contact Elite Screens customer service. Elite Screens offers U.S. based stock, service, and lifetime tech support.

The graphic features the Elite Screens logo at the top center. On the left, the letters 'U.S.' are rendered in a large, bold font with a red, white, and blue American flag pattern. Below this, a list of four items is presented with checkmarks: 'Based', 'Stock', 'Service', and 'Since 2004'. The background shows a group of four smiling customer service representatives wearing headsets. In the bottom left, a map of the United States is overlaid with an American flag pattern. Two circular seals are positioned in the bottom right: a gold seal with a large '2' and the word 'YEAR' inside, and a silver seal with 'LIFETIME TECH SUPPORT' and 'U.S. BASED Company' text. At the very bottom right, there are two icons: a red envelope icon labeled 'Email Support' and a red speech bubble icon labeled 'Live Web Chat'. The website address 'www.elitescreens.com' is repeated around the perimeter of both circular seals.

Figure 4: Elite Screens Customer Support Information

You can find more information and contact details on the official Elite Screens website or through your product's documentation.