ELITE SCREENS
GET THE BIG PICTURE

ZPM-RT3

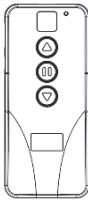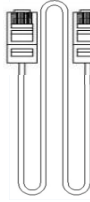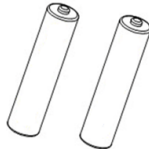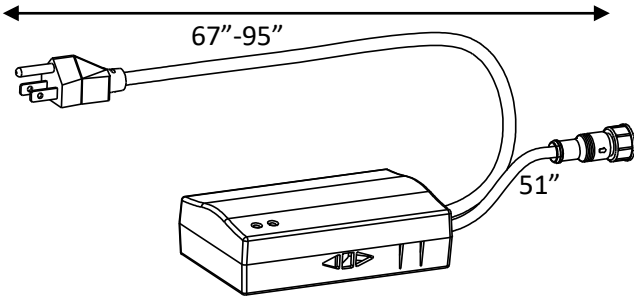*Remote Control Kit for Spectrum 2 Series*

User's Guide

RC1 V1.0

Thank you for purchasing the ZPM-RT3 kit. The ZPM-RT3 kit allows your Spectrum 2 Series electric screen the ability to control it using a Radio Frequency or Infrared remote control and wall box controller with the included accessories listed below.

What's included:

ZPM-RT3 accessories/parts list				
A. IR Remote ZRC1-IR	**B. RF Remote ZRC1-RF**	**C. Wall box controller ZRC1-WB**	**D. RJ50 Cable ZRC1-RJ50**	**E. AAA batteries**

F. Circuit board housing

67"-95"

51"

ZPM-RT3 Installation & Control Instructions

1. Disconnect the 3 Way Control In-line switch from the Spectrum 2 Screen as shown below.

3 Way Control In-line Switch
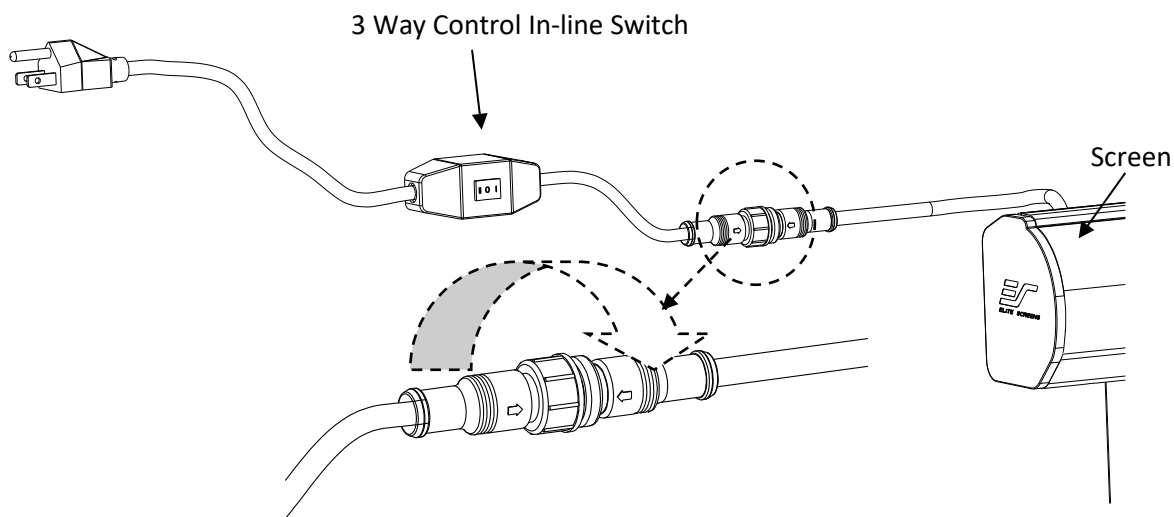
Screen

2. Connect the **Circuit board housing (F)** to the screen as shown below.

Circuit board housing (F)
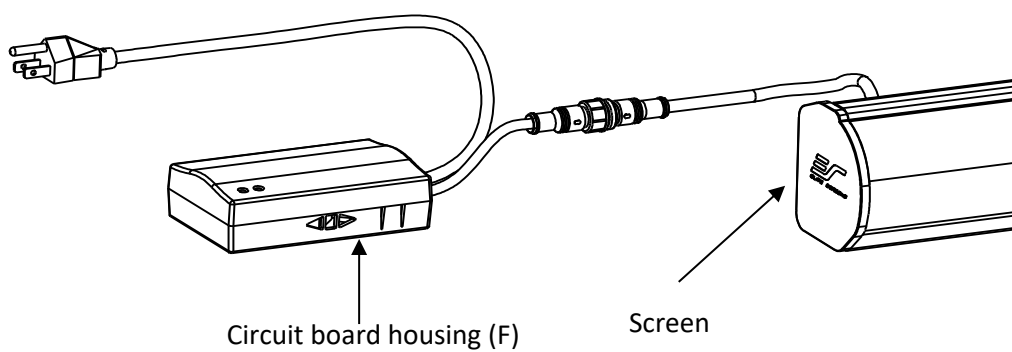
Screen

Screen operation

1. Wall box controller (**Item C, Fig 3**): The wall box controller switch is a wall mounted control box which can be operated using the up/stop/down button. It plugs directly into RJ50 port of the circuit board housing.

**RJ50 PORT:
Connects to the
Screen RJ50 PORT
(RJ50 CABLE ONLY)**

**Wall box controller
SIDE VIEW**

Programming Key

**Wall box controller
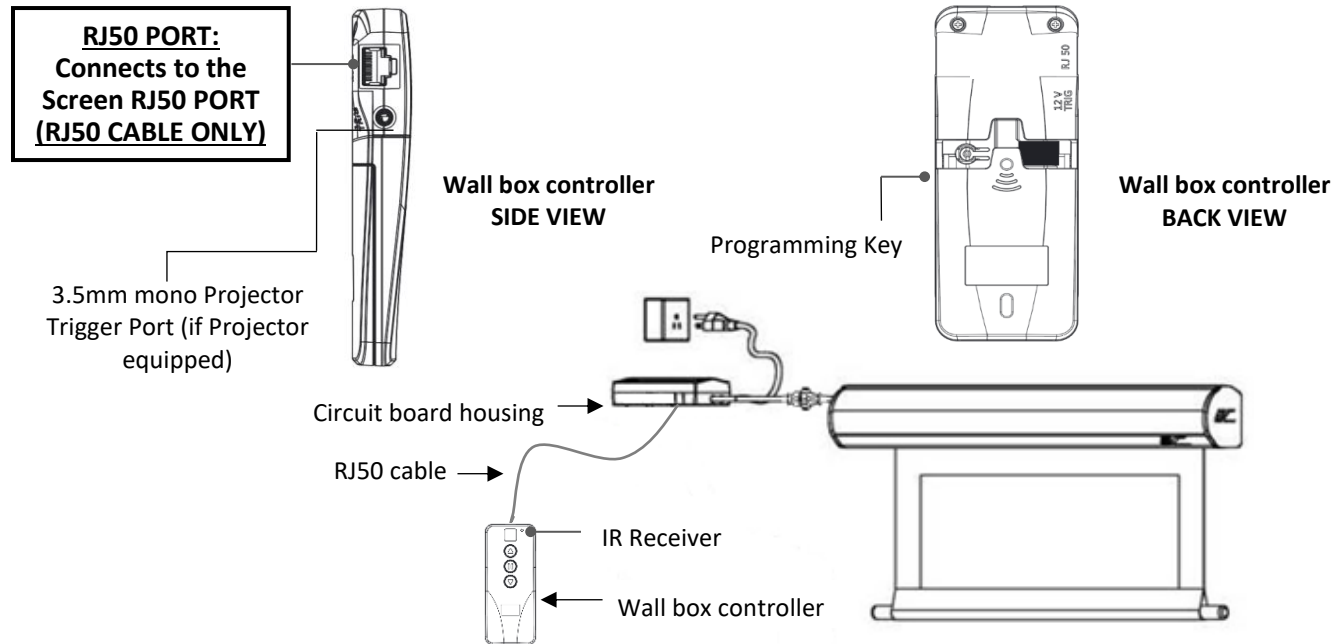BACK VIEW**

3.5mm mono Projector Trigger Port (if Projector equipped)

Circuit board housing

RJ50 cable

IR Receiver

Wall box controller

2. IR Remote control (**Item A, Fig 1**): The Infrared functions by direct line of sight contact using an effective beam range of 25 feet within a 30-degree angle. Aim the IR remote directly at the IR receiver on the Wall Box Controller to operate the screen.

Note: Assure there are no obstructions between the IR remote and IR receiver.

IR Lens

LED light
UP
STOP
DOWN

IR/RF remote

RJ50 cable

IR remote

IR Receiver

Wall box controller

Fig.1
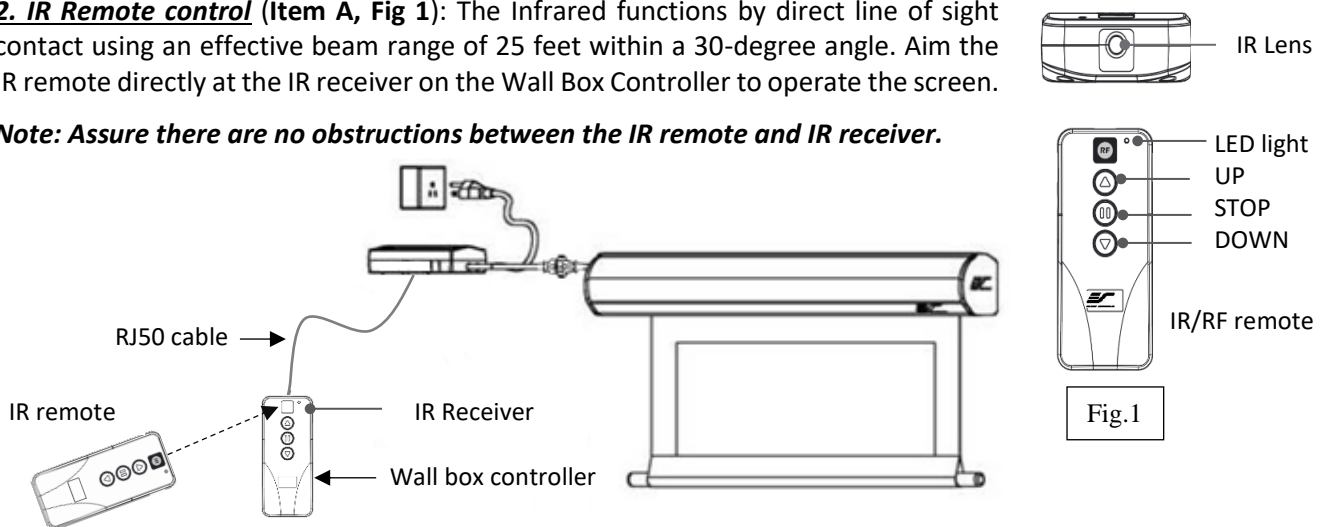
3. RF Remote Control (**Item B**): The radio waves eliminate the need for a direct line of sight and has a longer distance control range.

Please follow the steps below to pair the RF remote to the wall box controller to operate your screen.

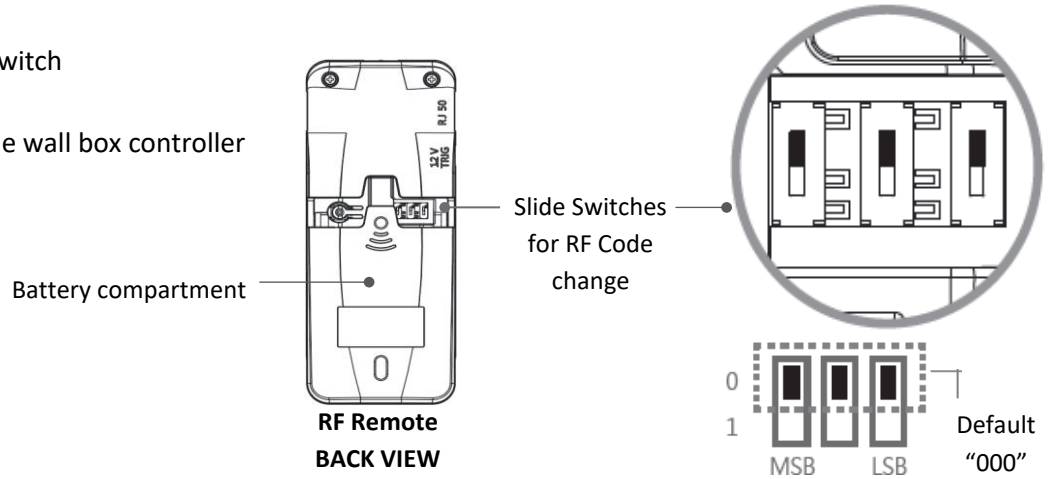**I. How to synchronize/pair a new RF remote**:

- Press & hold the "**Programming Key**", then press the "**Up Key**" on the **Wall box controller** (wall-box LED flashes). *Reference the wall box controller section for programming key location.*

- Then press the "**Up Key**" on the **RF remote**.

The **Wall box** LED will flash 5 times, to indicate the RF remote has been properly synchronized/paired.

II. How to change the RF code (For use when multiple screens/RF remotes are owned)

Changing the RF code avoids controlling multiple screens at the same time and prevents electrical interference leading to accidental control of the screen.

1. Remove the batteries
2. Change the RF code switch
3. Insert the batteries
4. Synchronize it with the wall box controller

Slide Switches for RF Code change

Battery compartment

RF Remote BACK VIEW

0
1
MSB   LSB

Default "000"

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4. Wired 5-12 volt trigger: Requires a 3.5mm to 3.5mm mono cable (not included)

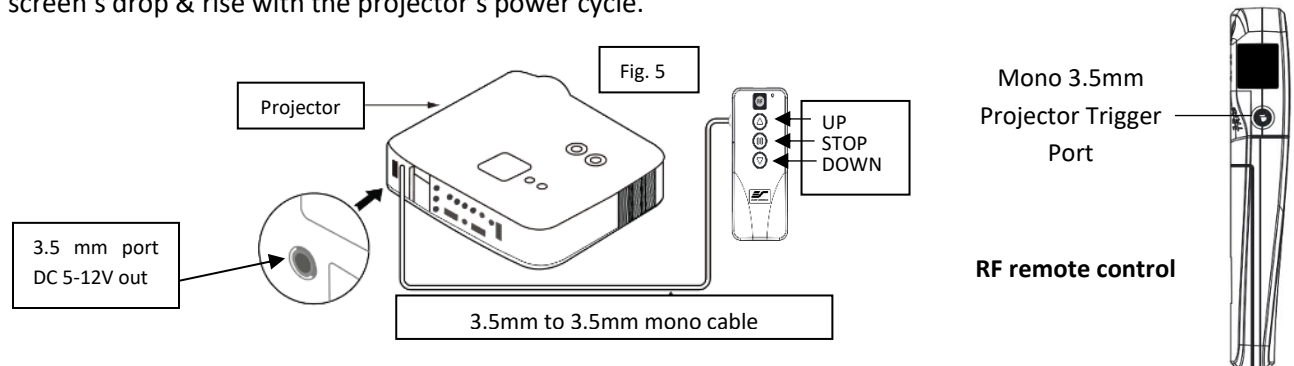**Step 1**: Connect one end the RJ50 cable to the screen and the other end to the Wall box controller.
Step 2: Then connect one end the 3.5mm mono cable to the wall box controller and the other to the projector. Once the two cables have been connected, the wired trigger feature is ready to synchronize the screen's up/down operation with the projector's power cycle.

- Projector on, screen drops
- Projector off, screen raises

Fig. 4

RJ50 cable

Projector

3.5 mm port DC 5-12V out

Wall box controller

3.5mm to 3.5mm mono cable

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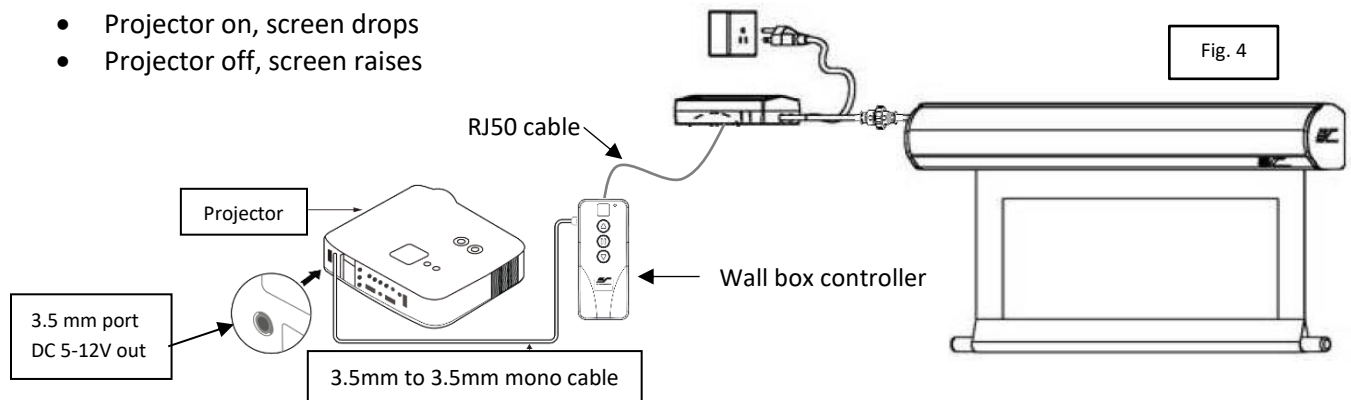
5. Wireless 5-12 volt trigger (Fig 5): Requires a 3.5mm to 3.5mm mono cable (not included).
The Radio Frequency (RF) remote control serves as a dual purpose, independently as a handheld remote control, or as a Wireless 5-12 volt trigger. The radio frequency technology sends a wireless signal that synchronizes the screen's drop & rise with the projector's power cycle.

Fig. 5

Projector

UP
STOP
DOWN

3.5 mm port DC 5-12V out

3.5mm to 3.5mm mono cable

Mono 3.5mm Projector Trigger Port

RF remote control

Here's how to set up your Wireless 5-12 volt trigger

The 5-12V wireless trigger should already be synced and ready to work.

Step 1: Connect one end of the 3.5 mm mono trigger cable to the RF remote.

Step 2: Connect the other 3.5 mm mono end of the cable to your projector

Step 3: Turn on the projector and the screen should automatically deploy.

Step 4: Turn off your projector and the screen should automatically retract.

(Please be aware, the projector on/off cycle may take longer to fully activate. It usually takes around 20- 30 seconds for full off and on cycle each time)

Note: If the wireless trigger feature does not work, please resync the RF remote to the Wall box controller per the instructions in the Radio Frequency remote section.

ADVANCED Programming Key Instructions: (FOR ADVANCED USERS ONLY)

Note: Wall box controller must be connected to the screen.

ATTENTION: Reducing the factory's full screen drop may produce waves/wrinkles on the projection surface on tab-tension screens. The full drop is recommended to allow the screen to rely on the tab-tension system to maintain the projection surface flat and taut on all sides.

The same applies on non-tensioned screens, although some level of waves may be present due to the nature of the screen not being tensioned. If wrinkles/waves develop after making the adjustment to the desired drop position, reset it to the factory's default position per the instructions below.

FLATNESS AFFECTED BY NEW PROGRAMMED VERTICAL POSITION IS NOT COVERED UNDER A REPLACEMENT WARRANTY.

1. Preset the Screen's Drop Position:

Use the RF/IR remote or Wall Box Controller to Drop the screen to the desired position you want to set it at.
Press & hold the "**Programming Key**", then press the "**Down key**" on the Wall Box Controller. The LED will flash 5 times to confirm the new programmed drop position.

PROGAMMING NOTE:
The programmed vertical position relies on a time-count which adjusts itself according to the programmed timed difference. Multiple up/down programming will result in the vertical position being off a few inches. It is recommended that programming is done the **first-time** the desired vertical position is determined or RESET it to factory default and programming the desired vertical position afterwards.

2. **Clear/Reset the Screen's Drop Position to factory default**: Press & hold the "Programming Key + "Stop key" on the wall box controller.

For a local Elite Screens contact or Technical Support, please visit
www.elitescreens.com