



Spectrum Series

Electric/Motorized Projection Screen

User's Guide – V1.1

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Important Safety & Warning Precautions

Make sure to read this user's guide and follow the procedure below.

Caution: The screen's Black Top Drop is already set to its maximum drop distance. There is NO extra Black Top Drop in the roller. Please be aware of this, as it will void your warranty with Elite Screens. Unapproved changes or modifications (except for cutting the power cord for hardwire installations) to this unit are prohibited and will void your warranty. For more information, please contact our Technical Support Department.

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use any unauthorized accessories not recommended by the supplier.
- Handle the unit carefully during transportation to avoid any damage.
- To ensure safe and reliable operation, direct connection to a properly grounded power source is advised.
- The power outlet supplying power to the unit should be close to the unit and easily accessible.
- Do not install the unit on uneven or inclined surfaces.
- Do not put heavy objects on the power cord and position it properly to avoid creating a trip obstacle.
- Never overload the power cord to prevent an electric shock or fire due to a loose contact or a short circuit.
- There are not user serviceable parts in this unit. Do not attempt to disassemble this unit by yourself. No one except authorized technicians can open and make repairs to this unit.
- Make sure the power source this unit is connected to has a continuous power flow.
- If there is need to use an extension cord, make sure the cord has an equal rating as the appliance to avoid overheating.
- Do not handle the power plug when your hands are wet or your feet are in contact with water.

Do not use this unit under the following circumstances.

- Disconnect the power cord under the conditions of heavy rain, wind, thunder or lightning.
- Avoid direct Sunshine, rain shower and moisture.
- Keep away from fire sources and high temperatures to prevent this device from overheating.
- Cut off the power supply first before transportation or maintenance.
- Fully disconnect from the power supply when the unit is not in use for a long period of time, as should be done with any other electric household appliance.
- To avoid possible injury and/or an electric shock, do not attempt to use the screen if there is obvious damage or if there are any evident broken parts.

Installation Warning

Individual modifications to this product are prohibited and will void the warranty with the supplier. Please contact Elite Screens Customer Service for any questions.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur on a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

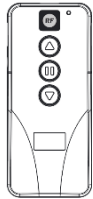
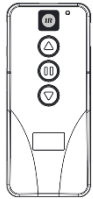
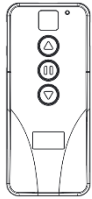
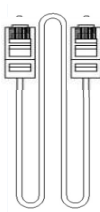

- ✓ **Reorient or relocate the receiving antenna of the device which may be causing interference.**
- ✓ **Increase the separation between the screen and the device's receiver.**
- ✓ **Connect the equipment to a different power outlet other than the device.**

Pre-Installation

1. Carefully unpack the screen.
2. Always handle the screen in a level position on a clean surface.
3. In order to protect the screen from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

Note: Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the casing to become loose or fall.

Included are complimentary mounting screws that may or may not be appropriate for the installation you are attempting. Always use the correct anchors to safely secure the screen.

Spectrum Series Controls and Accessories				
A. IR Remote ZRC1-IR	B. RF Remote ZRC1-RF	C. Wall box controller ZRC1-WB	D. RJ50 Cable ZZR1-RJ50	F. Bubble Level
				

Screen operation

Electric Current: 100 ~ 110v voltage

1. After ensuring the power outlet & screen are compatible (voltage), plug the power cord into the power outlet.
2. Once the screen has power, you'll be able to control it using any of the 5 methods described below.
3. **IR and RF remote controls require 2x AAA batteries (not included).**

5 Ways to control your Spectrum screen

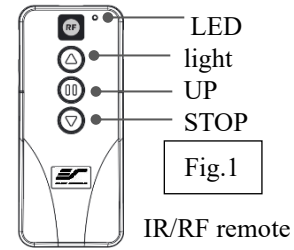
1. IR Remote control (Item A, Fig 1): The Infrared functions by direct line of sight contact using an effective beam range of 25 feet within a 30-degree angle. Aim the IR remote directly at either the IR receiver on the Wall Box Controller or on the screen to operate the screen.



Note: Assure there is no obstruction between the IR remote and IR receiver.

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

The RF remote is already pre-synced/paired and ready to use. If synchronization/pairing is needed, please follow the steps below.



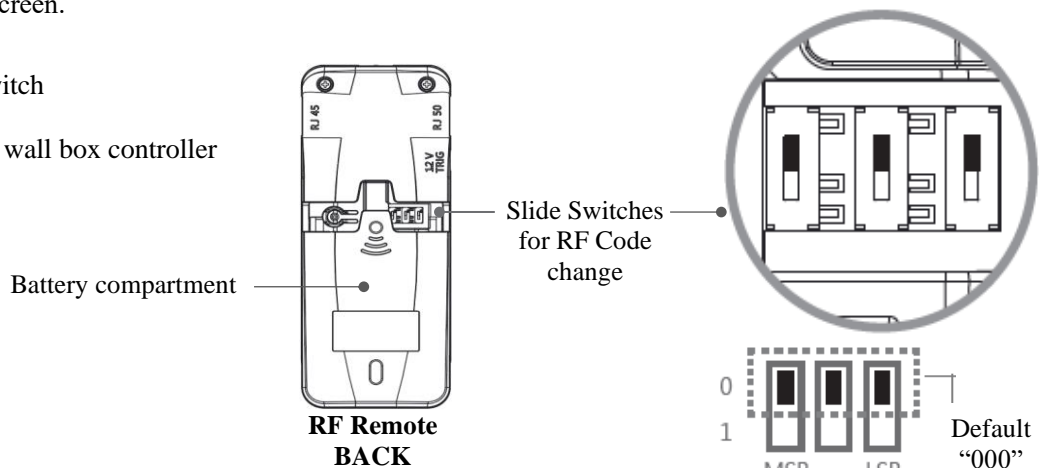
How to synchronize/pair a new RF remote:

- 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.

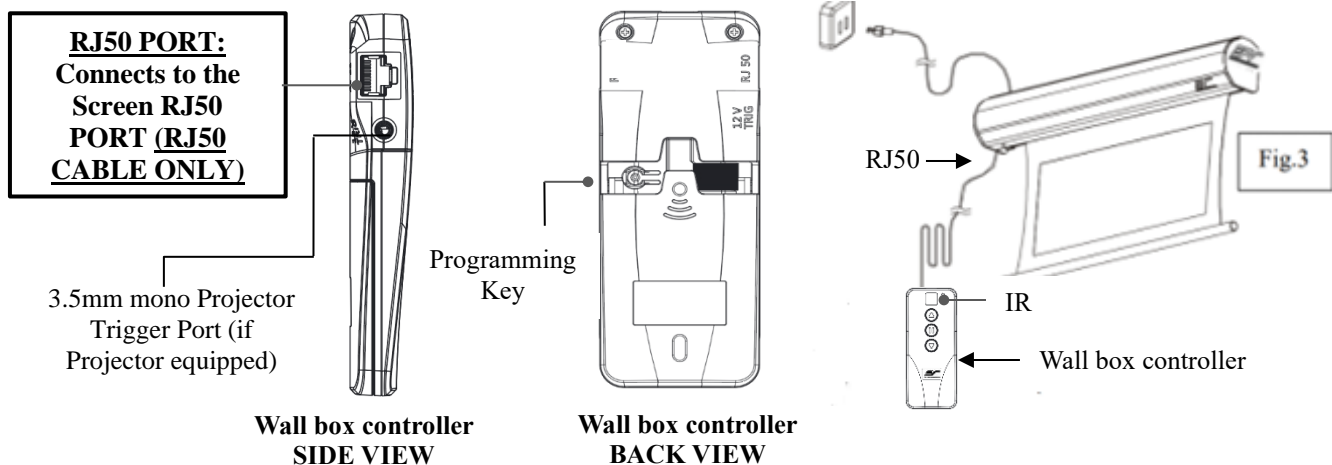
How to change the RF code (For use when multiple screens/RF remotes are owned)

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



3. Wall box controller (Item C, Fig 3): The wall box controller switch is a wall mounted control box with an up/stop/down button. It plugs directly into the screen’s RJ50 port.



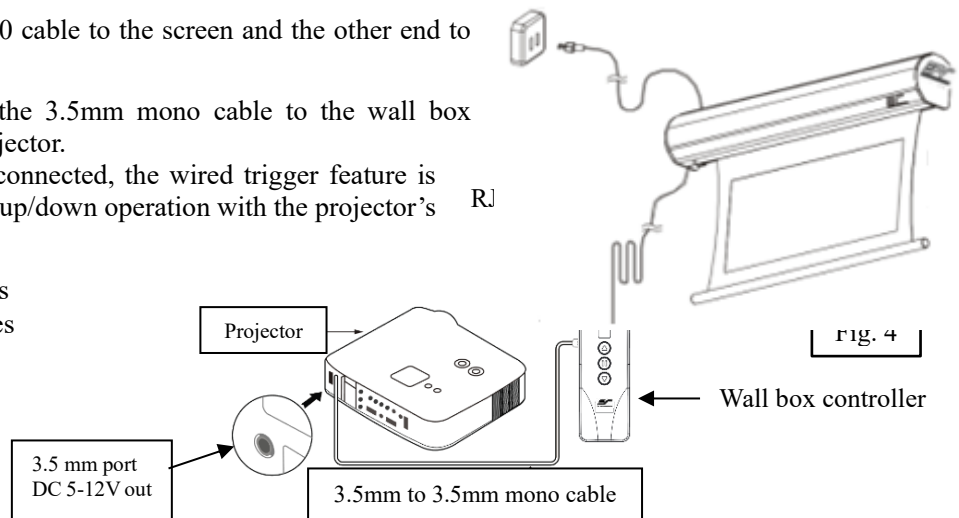
4. Wired 5-12 volt trigger: Requires a 3.5mm to 3.5mm mono cable (not included)

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.

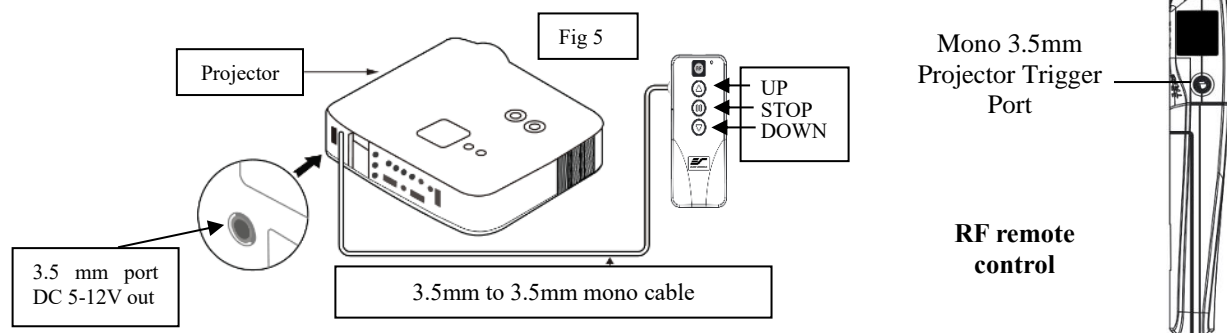
Once the two cables have been connected, the wired trigger feature is ready to synchronize the screen's up/down operation with the projector's power cycle.

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



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.



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)

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.

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 new programmed drop position.

PROGAMMING NOTE:

The programmed vertical drop position will have +/- 2" tolerance, which will depend on the temperature of the installed screen environment.

2. Clear/Reset the Screen's Drop Position to factory default:

Press & Hold the “Programming Key + “Stop key” on the wall box controller.

Installation Instructions

Please consult a professional installer. Elite Screens is not liable for any faulty installations.

1. Select the installation location for your screen. Ensure that it is within reasonable proximity from your power source.
2. For best support of your screen, it is ideal to secure your screen into the studs of your house's internal framework. If studs are not available, use hollow anchors for mounting your wall screws into drywall. If you're installing in a concrete structure, use concrete bolts to secure your screen.

Always consult a professional installer or hardware professional to ensure that the proper screws and/or hardware are being used.

3. Ensure that both brackets are in perfect level alignment with one another. Use wall/ceiling wood screws to secure to the wood studs. Use hollow anchors if mounting in drywall.

4. The screen casing is designed to accept the wall screws directly. If not using the Optional L-Brackets <http://shop.elitescreens.com/accessories.aspx>, be sure to position the washer between the head of the wall-screw and the anchor slots on the screen's casing.

5. Using a tape measure, mark the keyholes that are located at the back of the screen's casing end cap.

6. After marking the area and predrilled hole, insert the screw and have at least 1/8" from the wall to mount the screen. (See example in Figure 1.)

7. Figure 2 will show you an optional installation method using the drill holes located on top of the end caps for ceiling installation.

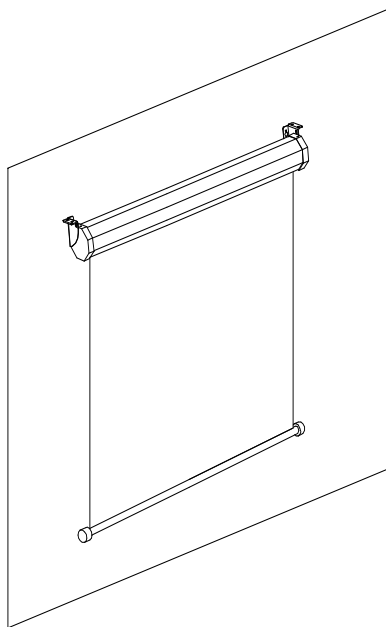
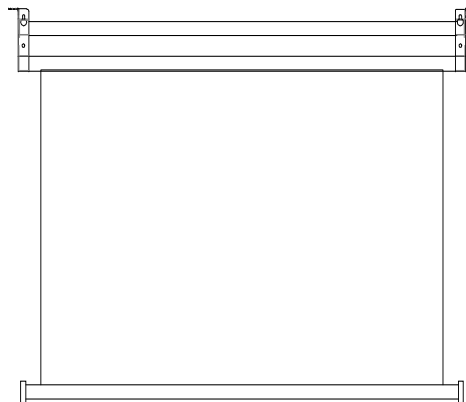
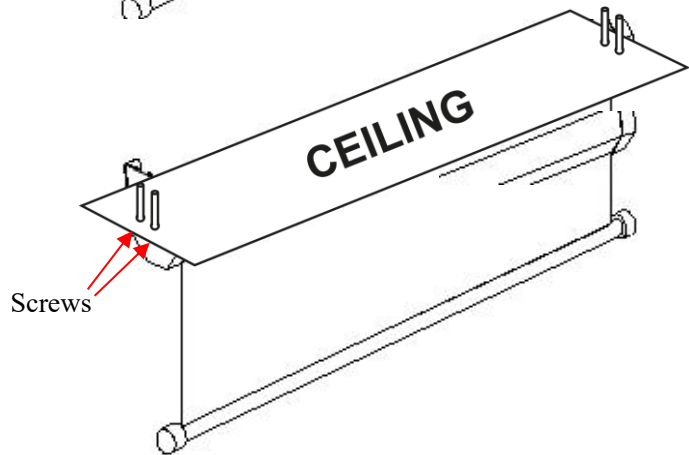
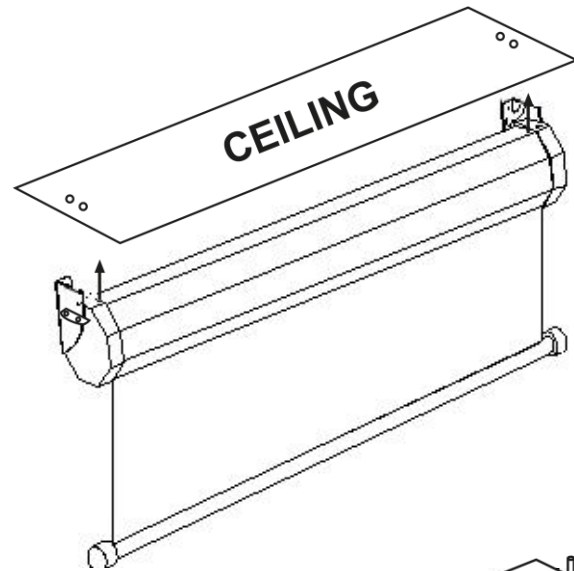
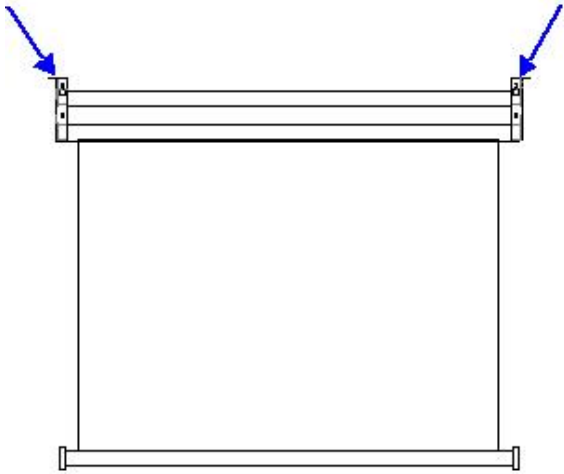


Fig. 1



Optional installation method using the drill holes to hang the screen from the ceiling



Note:

Wall screws included with this product are complementary and may not be adequate for all mounting surfaces. Consult with a professional installer or hardware store for proper mounting screws and anchors.

Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the screen case to become loose or fall. The installer must ensure that proper mounting hardware and the fasteners used are of adequate strength and suitable for the mounting surface.

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