



# Electric Motorized Projection Screen

## **Spectrum Tension Series**

### User's Guide

#### **Important Safety Precautions**

**Make sure to read this user's guide and follow the procedures below prior to screen operation.**

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use with any accessories/triggering sources not recommended or specified by the manufacturer.
- Handle the unit carefully during transportation to avoid any damages.
- 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 hang any objects on the power cord and position the cord properly to avoid tripping over it.
- Never overload the power cord to prevent an electric shock or fire due to a loose contact or a short circuit.
- There are no user serviceable parts in this unit. Do not attempt to disassemble this unit by yourself. No one except authorized technicians can open the casing and make repairs to this unit.
- Make sure that the power source this unit is connected to has a continuous power flow.
- If there is need for use of an extension cord, make sure the cord has an equal rating as the electrical device to avoid overheating.
- Do not handle the power cord when your hands are wet or your feet are in contact with water.
- Unplug the power cord during extreme weather conditions such as heavy rain, gusty winds, thunder or lightning.
- Avoid direct Sunlight, moisture/rain to this unit.
- Do not mount near high temperature environments 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 electrical 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.

#### **WARNING**

The screen's deployment is already set from the factory to drop to its maximum distance. There is NO extra black masking on the roller to allow for a lower drop. Please be aware of this as making adjustments to the screen's limit motor will void your warranty if the motor becomes faulty. Unapproved changes or modifications (except for cutting the power cord for hardwire installations) to this unit are prohibited and will void your warranty.

## 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 the interference.**
- ✓ **Increase the separation between the screen and the device's receiver.**
- ✓ **Connect the equipment into a different power outlet other than the device.**

## Pre-Installation

1. Carefully unpack the screen.
2. Always handle the screen in a leveled position on a clean surface.
3. In order to protect the screen's viewing surface, do not allow contact with foreign objects such as dust, writing utensils, liquids, etc.

## 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 from the wall and fall to the ground. The installer must ensure that the fasteners used are of adequate strength and suitable for the installation location.

## Installation

### A. Wall Mount (flushed):

1. Measure distance A (shown in Fig. 1) between the 2 holes on the backside of both end caps with a measuring tape. Mark and then drill the two screw holes on the wall.
2. Insert wall anchors into the two drilled holes on the wall and then insert the screws into the anchors leaving the screw head to stick out of the anchor by at least a 1/8" (see Fig. 2).
3. After hanging the screen on to the affixed screws, use the provided bubble leveler to ensure for a levelled installation (see Fig. 3).

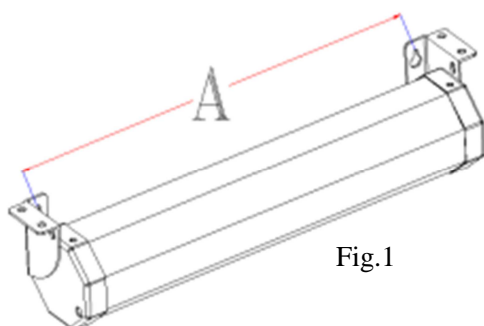


Fig. 1

The screw head should be at least 1/8" away from the wall.

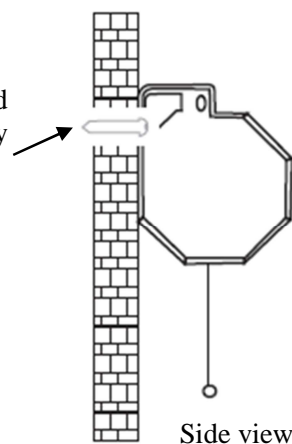
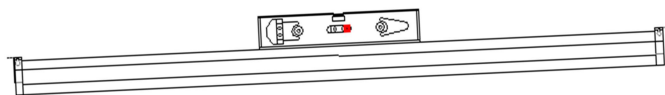


Fig. 2

1. If the bubble runs to the right side, the screen is not balanced.



2. If the bubble is in the center, the screen is balanced.

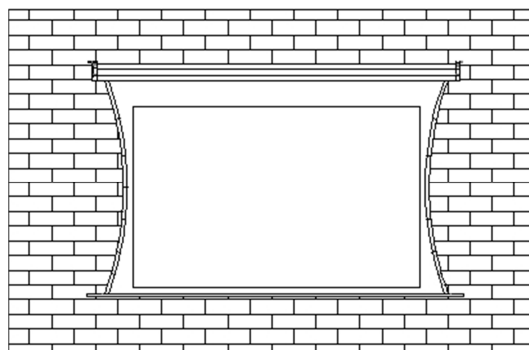
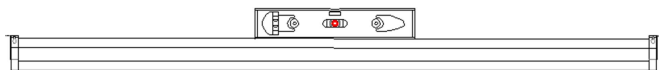


Fig.3

### B. Ceiling Mount (flushed):

1. Measure distance B (shown in Fig. 4) between the holes on the top of both end caps with a measuring tape. Mark and then drill the four screw holes on the ceiling.
2. Insert wall anchors into the four drilled holes on the ceiling and then insert the screws through the end cap holes into the anchors and ensure that you tighten the screws without stripping the anchors (see Fig. 5).
3. After hanging the screen on to the affixed screws, use the provided bubble leveler to ensure for a levelled installation (see Fig. 6).

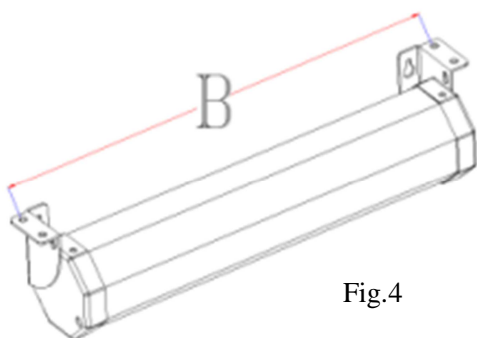


Fig.4

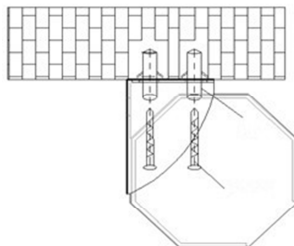


Fig.5

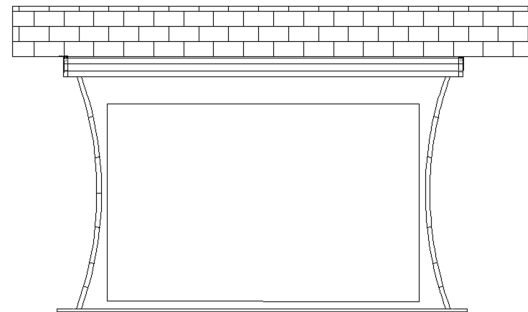


Fig.6

### C. Ceiling Mount (suspended):

#### Hardware required (not included): screw hook, snap link, chain

1. Measure distance C (shown in Fig. 7) between the holes on the top of both end caps with a measuring tape. Mark and then drill the screw holes on the ceiling.
2. Insert wall anchors into the drilled holes on the ceiling and then insert the screws through the chain's support into the anchors and ensure that you tighten the screws without stripping the anchors (see Fig. 8).
3. Attach the chains to the support that was screwed into the ceiling. Attach the end caps of the screen to the snap link that are at the bottom of the chains for sustainability (see Fig. 8).
4. After hanging the screen on to the affixed screws, use the provided bubble leveler to ensure for a levelled installation.

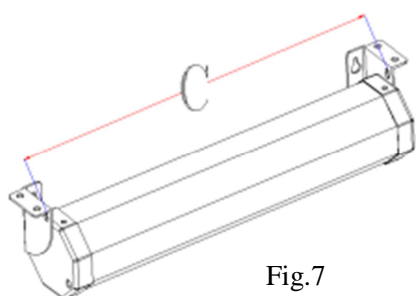


Fig.7

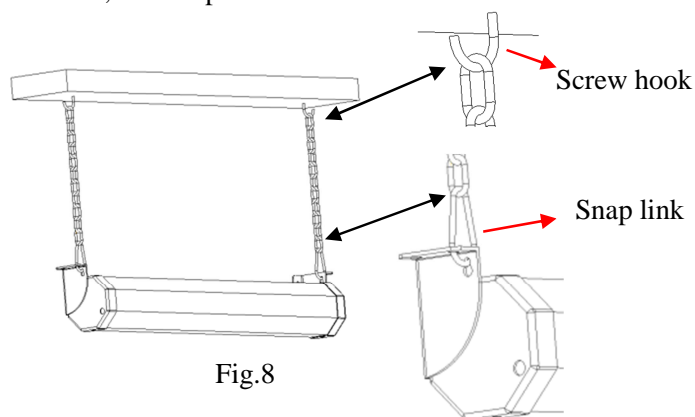


Fig.8

### Screen material tension adjustment (4mm Allen Wrench required and not included)

Remove the weight bar end cap to expose the adjustment tension knob (see Fig. 9). Insert your 4mm Allen Wrench to push in the adjustment tension knob, turn clockwise and your screen will gain more tension. Turn the Allen Wrench counter clockwise and the screen will lose tension. Please note this adjustment is not necessary as the tension of the screen has been preset by the factory for best performance. Please contact Elite Screens for assistance to avoid damaging the screen and voiding your warranty at [techsupport@elitescreens.com](mailto:techsupport@elitescreens.com).

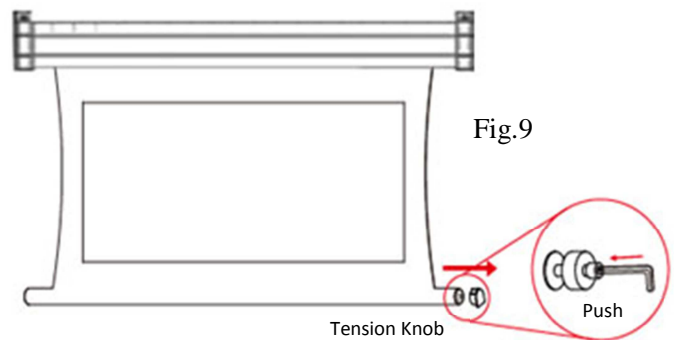
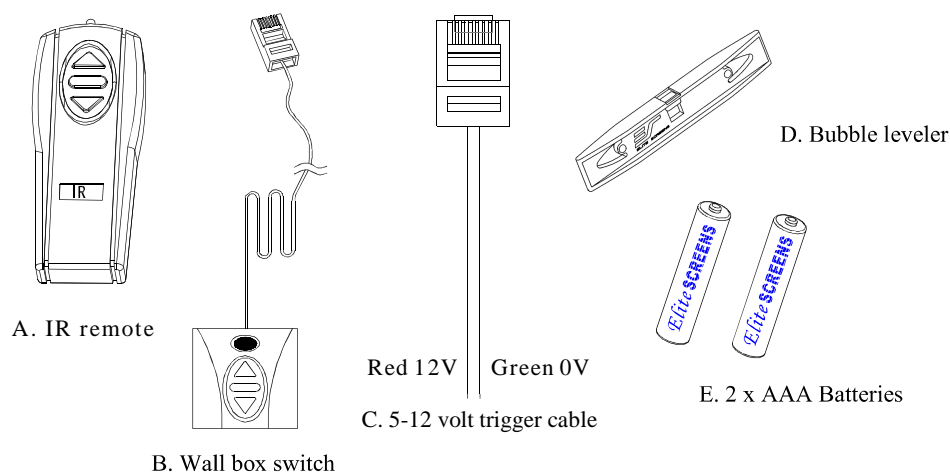


Fig.9

### Accessories included for Spectrum Tension Series



### Screen operation

**Electric Current:** The screen operates on AC110V @ 60hz

1. Plug the screen's power cord into a power outlet.
2. Once the screen's has power, you'll be able to control it using any of the 3 methods described below.

### Control System for Spectrum Tension Series

**1. 5-12V Trigger (Item C, Fig. 10):** The built-in 5-12V trigger input allows your screen to synchronize its drop & rise with the projector's triggering output. The screen deploys when the projector powers up and will retract when the projector powers down. The 5-12 volt adaptor connects to your projector's trigger output via a separate cable that may or may not be provided by the manufacturer of the projector. The trigger feature will not work without an output cable from the projector, but it can be tested by connecting the Red (+) and Green (-) cable to a 9-volt battery.

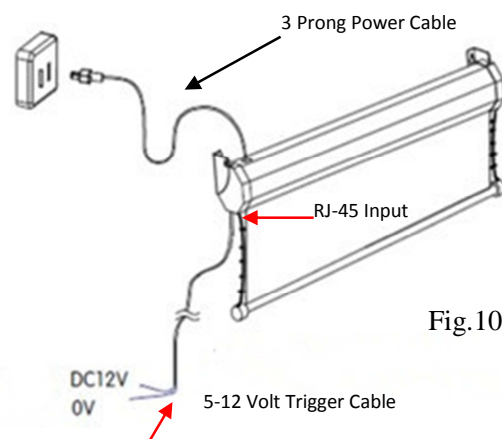


Fig.10

**2. 3-Way Wall Switch (Item B, Fig. 11):** The 3-way wall switch is a wall mount control box with an up/stop/down button and plugs directly into the

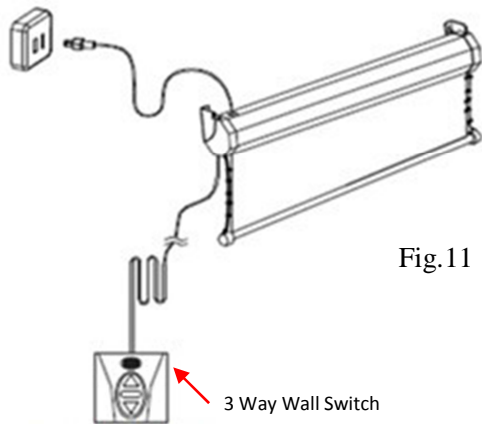


Fig.11

**3. IR Remote Control (Item A, Fig. 12):** The Infrared functions by direct line of sight contact with a beam range of 30 feet.

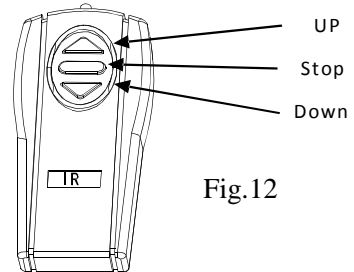


Fig.12

For more information, technical support or your local Elite Screens contact, please visit [www.elitescreens.com](http://www.elitescreens.com)