

## **YARD MASTER ELECTRIC SERIES**

### **Section 1: Screen Design**

#### **1.1 What is it for?**

The **Yard Master Electric** is Elite's outdoor projector screen for patios and other outdoor spaces. Watch a movie in the convenience of your own backyard, patio, pool deck, or wherever your creative innovation leads.

#### **1.2 How does it work?**

The electric screen is raised and lowered using a Radio Frequency remote control. Additional accessories include a magnetic weight bar bracket and a ground stake kit to keep screen secured against mild wind conditions. Outdoor grade materials enable the product to sustain a long lasting operational lifespan and is IP33 certified for rain/water protection.

### **Section 2: Product Features**

#### **2.1 Characteristics**

##### **Screen Material**

- Designed for outdoor use without compromising its home theater visual appeal
- MaxWhite™ 1.1 gain (matte white) front projection material has superb color temperature
- Wide diffusion uniformity allows viewers to enjoy a clear and bright picture from any angle
- Black borders absorb projector over scan while enhancing visual contrast
- Black material backing eliminates light penetration for enhanced brightness levels
- 4K Ultra HD, Active 3D, and HDR Ready

##### **Design and Installation**

- Dynamic indoor home theater quality with outdoor durability
- IP33 certified for rain/water protection.
- Ideal for backyards, patios, pool decks, and recreation room installations
- Floating aluminum anti-rust brackets allow flush wall/ceiling
- Capable of suspended ceiling installation
- Long distance Radio Frequency remote control included – no line of sight required

##### **Quality and Reliability**

- Rust-proof metal components - housing, roller tube, brackets, and weight bar
- Tubular motor allows swift operation with a superior weight tolerance and lifespan
- GREENGUARD® and GREENGUARD® Gold Certified (UL 2818) for safe indoor emissions
- 2-year Parts & Labor manufacturer's warranty
- 3-year warranty offered through ENR-G program (Education, Non-Profit, Religious and Government)

**2.2 Model Numbers**

Model Number	Diag. Size	Aspect Ratio	Viewing Height (in)	Viewing Width (in)	Screen Material	Gain	Case Color	N.W. (lbs)	G.W. (lbs)	Packing Dims. (LxWxH)
OMS100H-ELECTRIC	100"	16:9	49.0	87.2	MaxWhite	1.1	Black	24.7	34.0	99.6"x6.3"x6.7"
OMS120H-ELECTRIC	120"	16:9	58.8	104.6	MaxWhite	1.1	Black	29.5	38.7	116.7"x6.7"x6.3"

**Section 3: Screen Material Specifications**

**3.1 Characteristics**

**MaxWhite™** screen material is the most versatile screen surface for front projection presentations. This material provides the widest possible viewer angles with perfect diffusion uniformity while giving precise definition, image color reproduction and black & white contrast. Screen surface has



black-backing to avoid light penetration and can be cleaned safely with mild soap and water. Woven screen material is a multi-layer, cross-array coated with a matte white reflective compound.

**Features & Benefits**

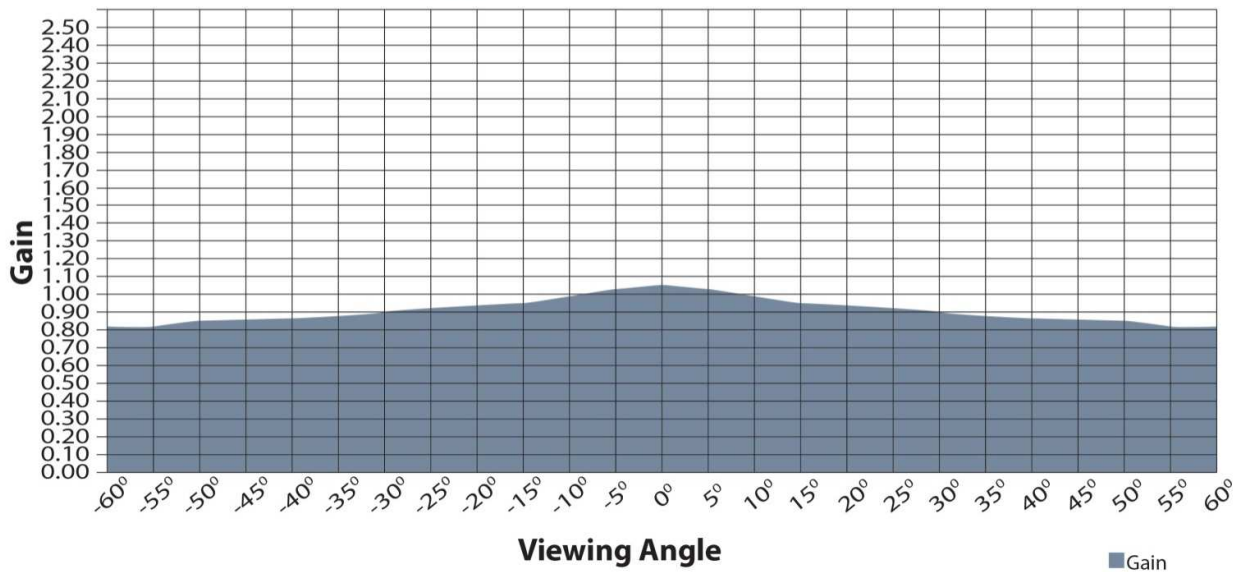
- Multi-layer weave and textured surface coating
- Gain: 1.1
- View Angle: 180° (90° ± LR)
- Mildew Resistant
- Black backing
- Active 3D and 4K Ultra HD ready
- Surface can be easily cleaned with mild soap and water
- GREENGUARD® and GREENGUARD® Gold Certified | UL 2818

Specifications	
Thickness	0.41mm (0.016")
Weight	530 g/m <sup>2</sup>
Maximum Height	3.2 M (10 ft)
On-axis Gain	1.1
Half-Gain Angle	Does not reach half gain

**3.2 Gain Chart**



**On axis 0° Gain: 1.1**  
**Viewing Cone: 180°**



**Section 4: Execution**

**4.1 Outdoor Projection Screen Disclaimer**

Never leave your projection screen out and exposed to direct sunlight. Regardless of screen brand, prolonged exposure to the sun’s ultraviolet radiation degrades the chemical bonds causing the material to eventually decompose. Photo degradation first causes the material to lose its theater-grade reflective qualities. Eventually nature will completely destroy even synthetic materials. For this reason, the **Yard Master Electric** has a retractable design that allows the material to be drawn up into its protective casing to be shielded from solar radiation.



### 4.2 Care & Use Instructions

◆ Dust, dirt and scratches on the projection surface will affect the picture quality, please take note of the points below to prevent that from occurring:

1. Do not touch the projection surface with your hands
2. Do not write or draw on the projection surface
3. Do not use fingers or sharp objects to point on the projection surface; this will damage the screen material.
4. Use a soft-damp cloth to clean the projection surface; do not use chemical cleaning agents or alcohol.
5. Use clean water when dampening the cleaning cloth and do not rub against the material to clean it.

◆ To avoid damage and injury, the screen should only be operated by adults.

### 4.3 Important Safety & Warning Precautions

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

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use with any unauthorized accessories not recommended 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 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 overheat.
- 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 temperature 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.

**WARNING** The Screen's **Top Black Drop** is already set to its maximum drop distance. There is **NO** extra top black drop in the roller. Please be aware of this as it will void the limitation of your warranty. Individual modifications to this product are prohibited and will void the warranty with the manufacturer. Please contact 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.

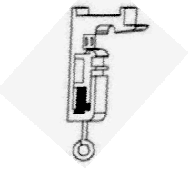
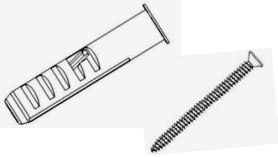
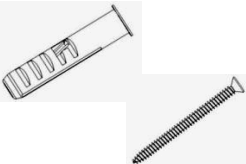
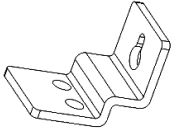
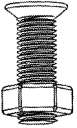
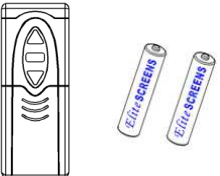
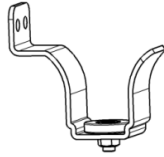



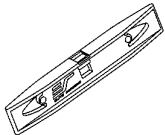
- ✓ **Reorient or relocate the receiving antenna of the device which may be causing the interference.**
- ✓ **Increase the separation between the screen and the device's receiver.**
- ✓ **Connect the equipment into a different power outlet other than the device.**

#### **4.4 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 from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

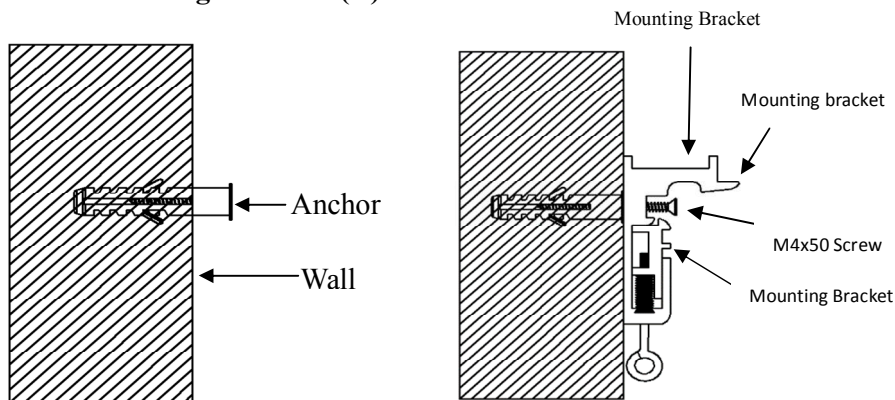
**NOTE** Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the casing to become loose or fall. The installer must insure that the fasteners used are of adequate strength and suitable for the installation location.

**4.5 Hardware Parts List**

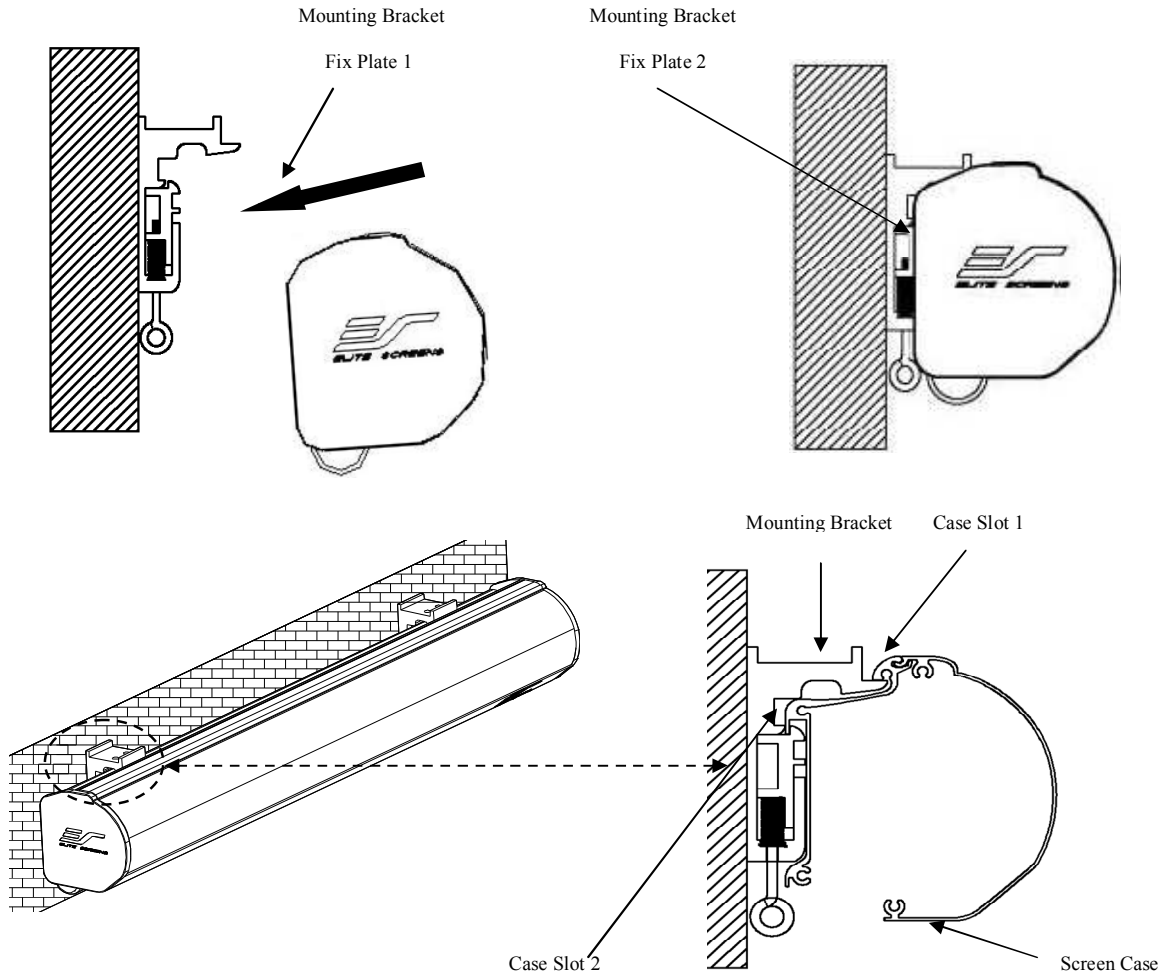
<p>A. Mounting Bracket x2pcs</p>	<p>B. M10 Anchor and M4x50 Screw x4pcs</p>	<p>C. M8x35 Anchor and M4x35 Screw x4pcs</p>	<p>D. Suspended Ceiling Bracket Connector x2pcs</p>
			
<p>E. M5x15 Screw &amp; Bolt x4pcs</p>	<p>F. RF Remote Control x1pc &amp; AAA Battery x2pcs</p>	<p>G. Magnetic weight bar bracket x2pcs</p>	<p>H. Curved Nail x2pcs</p>
			
<p>I. Hook x2pcs</p>		<p>J. Elastic String x2pcs</p>	<p>H · Bubble leveler x1pc</p>
			

**4.6 Installation**

1. Mark the location of where the screen is to be installed, drill your holes and insert the **M10 Anchors (B)**.
2. Install the **Mounting Brackets (A)** to the wall and secure with the **M4x50 Screws (B)**.



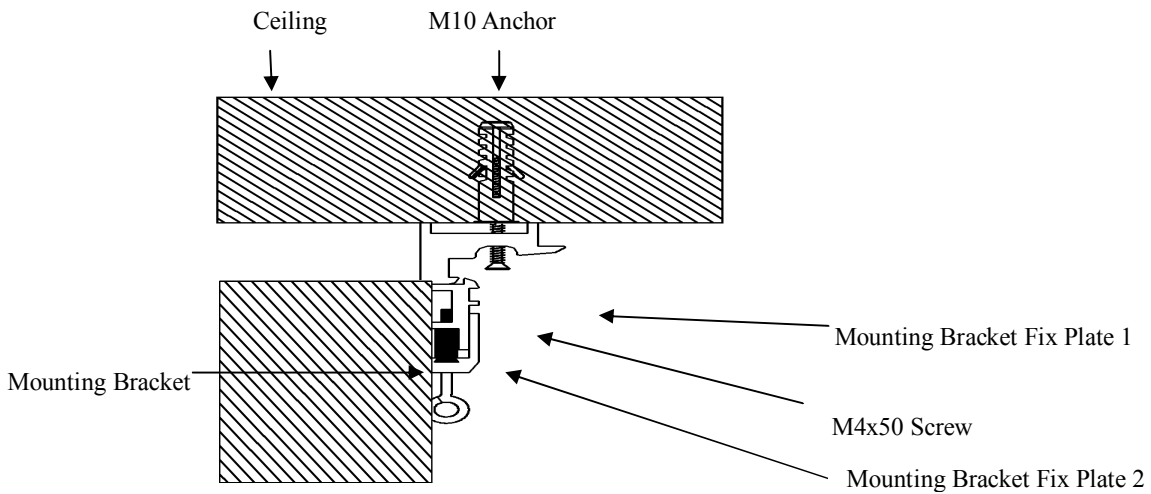
3. Attach the screen to the **Mounting Brackets (A)** by inserting the top of the case to Fix Plate 1 and securing the back of the case to Fix Plate 2. Make sure the case slots are securely attached to the mounting brackets.



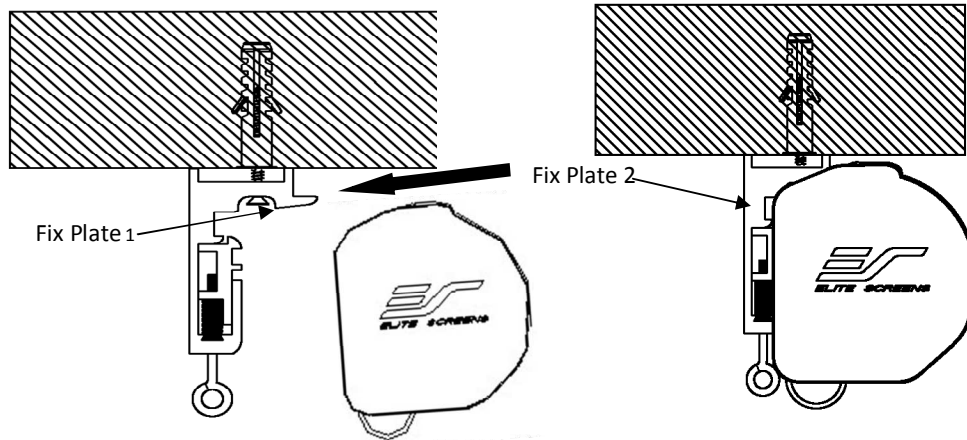
### **Flush Mount to the Ceiling**

*Note: Please make sure the Mounting Bracket (A) is close to the wall when you install the screen on the ceiling. This is to ensure the weight bar aligns with the magnetic bottom bracket when it comes down.*

1. Mark the location of where the screen is to be installed, drill your holes and insert the **M10 Anchors (B)**.
2. Install the **Mounting Brackets (A)** to the ceiling and secure with the **M4x50 Screws (B)**.

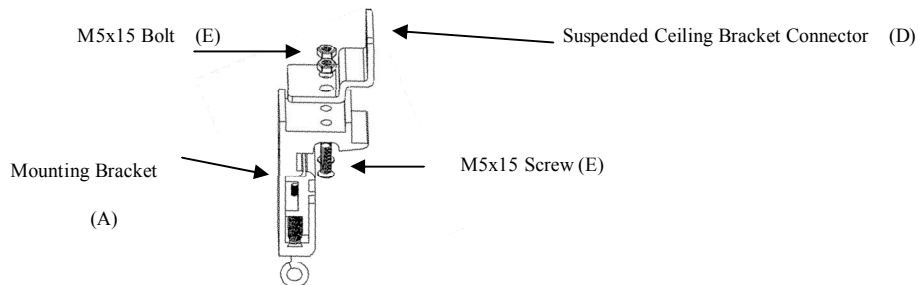


3. Attach the screen to the **Mounting Bracket (A)** by inserting the top of the case to **Fix Plate 1** and securing the back of the case to **Fix Plate 2**. Make sure the case slots are securely attached to the **Mounting Bracket (A)**.

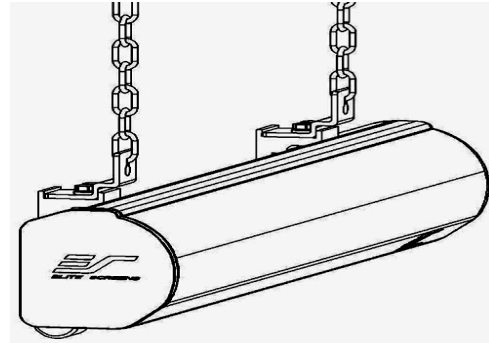
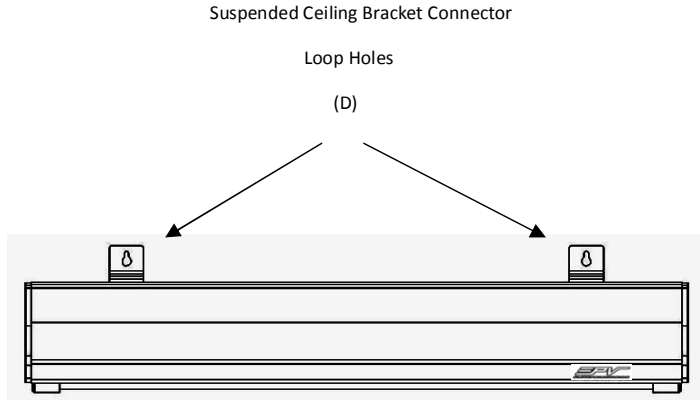


### Suspended Ceiling using Chains (additional hardware required)

1. You can also hang the screen on a ceiling by using chains (not included).
2. Connect the **Suspended Ceiling Bracket Connector (D)** to the **Mounting Bracket (A)** and secure with the **M5x15 Screws & Bolts (E)**.

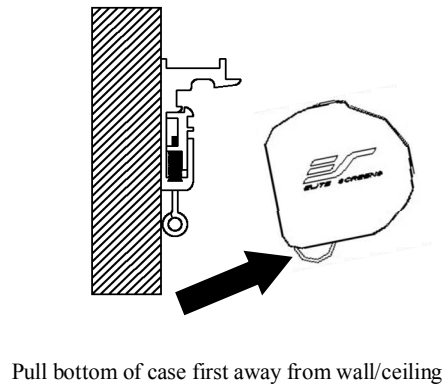
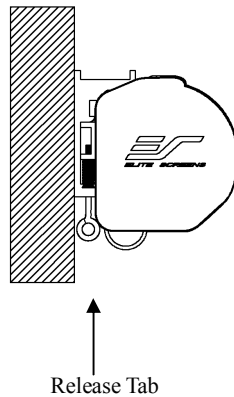


3. Insert chains (not included) through the loop holes of the **Suspended Ceiling Bracket Connector (D)**.



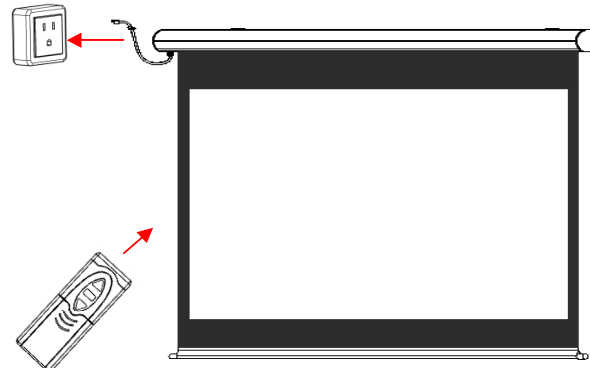
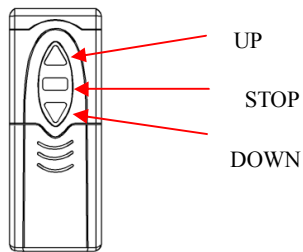
**Screen removal from the Mounting Brackets**

1. Pull down on the **Mounting Bracket Release Tab** and remove the bottom case away from the wall/ceiling followed by the top of the case.



**4.7 Control System**

**RF Remote Control:** The radio waves eliminate the need for a direct line of sight with a range of 100 feet.



## Synchronizing the Control to the Yard Master Electric Screen

1. Unplug the power source from the Elite Electric Screen.
2. Press and HOLD the STOP Button. (See diagram above)
3. While holding the STOP button, plug the screen back into the power outlet.
  - a. Should hear a single “beep” when plugging the screen in.
4. After you hear a set of multiple “beeps”, release the STOP button.
5. You should now be able to control your electric screen with the RF remote control.

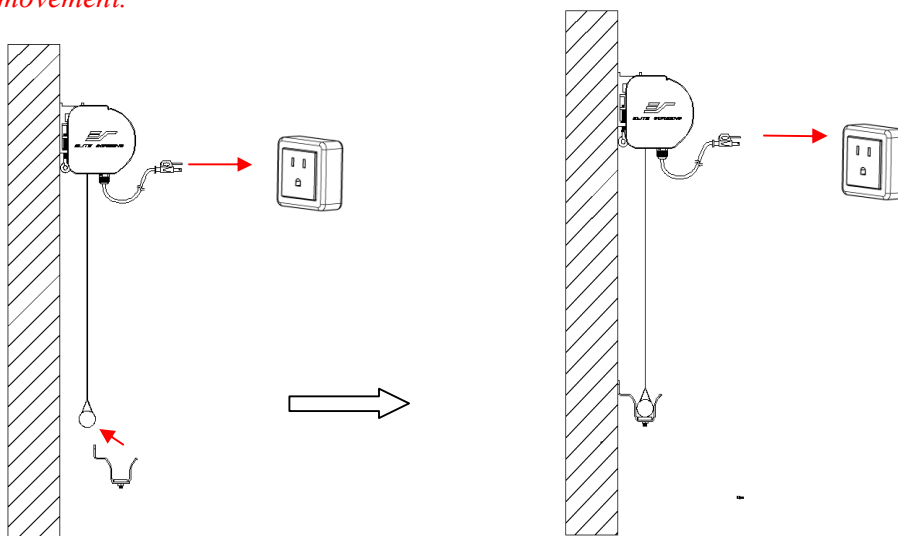
If unsuccessful repeat from Step 1.

Note: The beep(s) the screen produces is very faint. It may be difficult to hear, if more than 5 feet away from the screen.

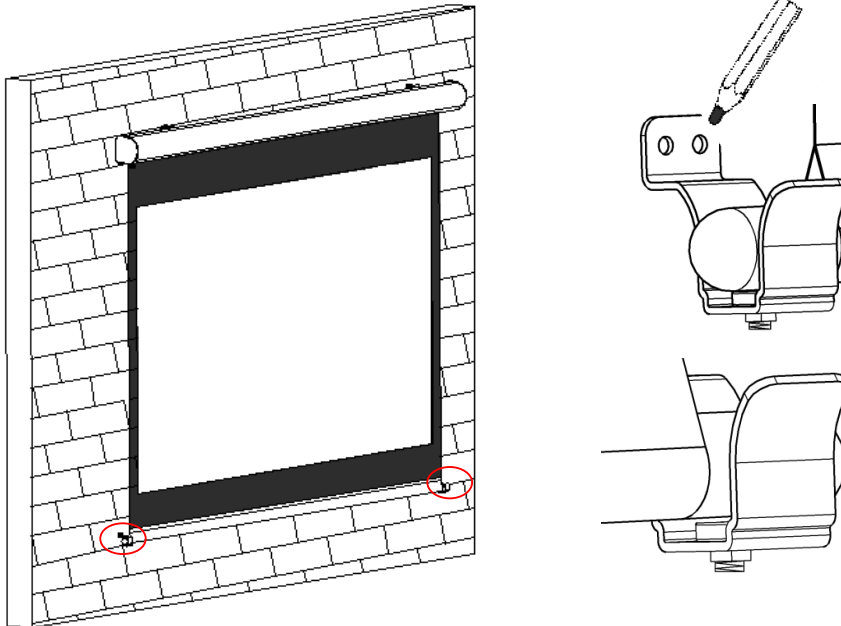
### 4.8 Magnetic bottom bracket Installation

1. After the screen is plugged in to a power outlet, press the DOWN button on the RF remote control (F). Install the magnetic bottom bracket (G) so that the weight bar sleeve cradles inside (see picture below).

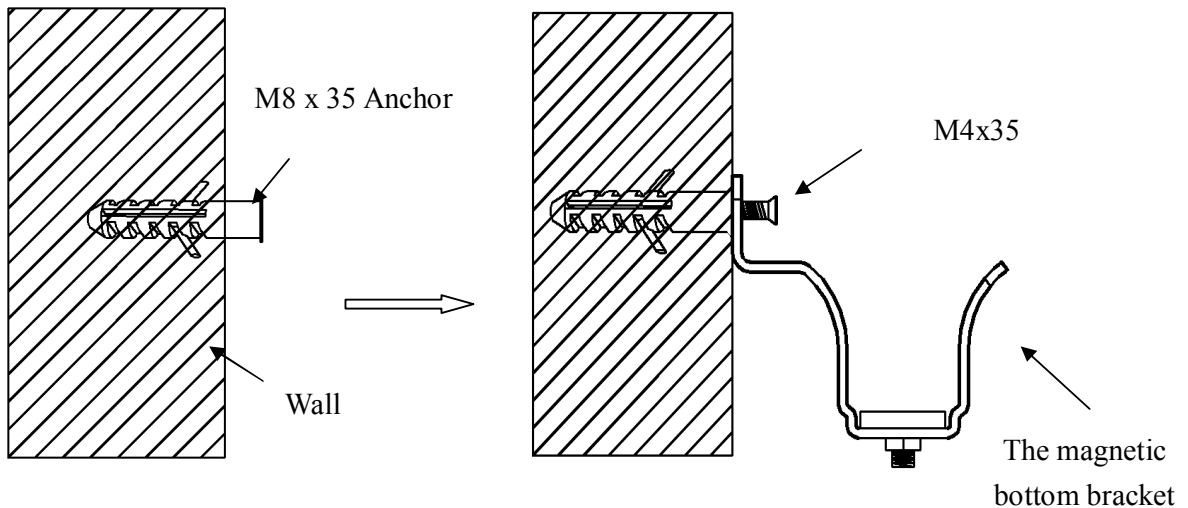
*Note: The screen should deploy straight down and align with the magnetic bottom bracket (G). Once the weight bar is cradled inside the magnetic bracket, the screen will be from movement.*



2. Mark the drill-hole area of where the bracket is to be installed with a Marker or Pencil.



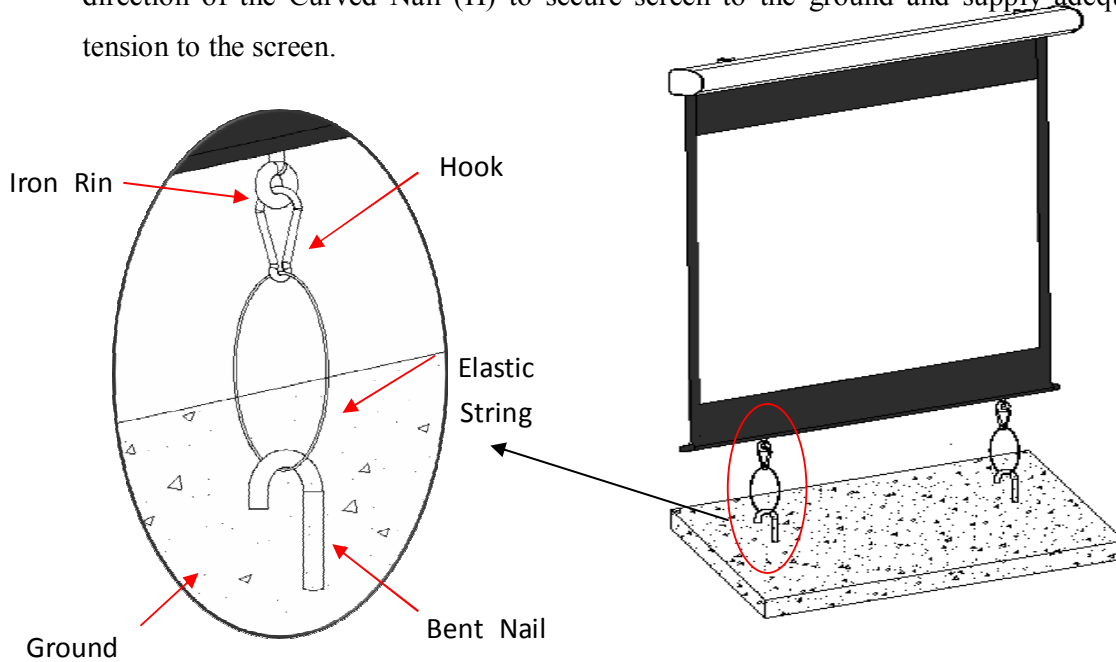
3. Raise the screen UP using the RF remote control. Next, drill holes to insert the M8 x35 Anchor (C) if installing to a dry wall. Then affix the magnetic bottom bracket (G) on the marked location and secure it with an M4x35 Screw(C).



4. Drop the screen DOWN using the RF remote, see if the position of the magnetic bottom bracket (G) is correct or not. Reposition the magnetic bottom bracket if needed.

**4.9 How to ground the screen**

1. Attach the Hook (I) into the Iron Ring, and join the **Hook (I)** and **Curved Nail (H)** using the **Elastic String (J)**,
2. Drive the **Curved Nail (H)** to the ground and stretch the **Elastic String (J)** in the direction of the Curved Nail (H) to secure screen to the ground and supply adequate tension to the screen.

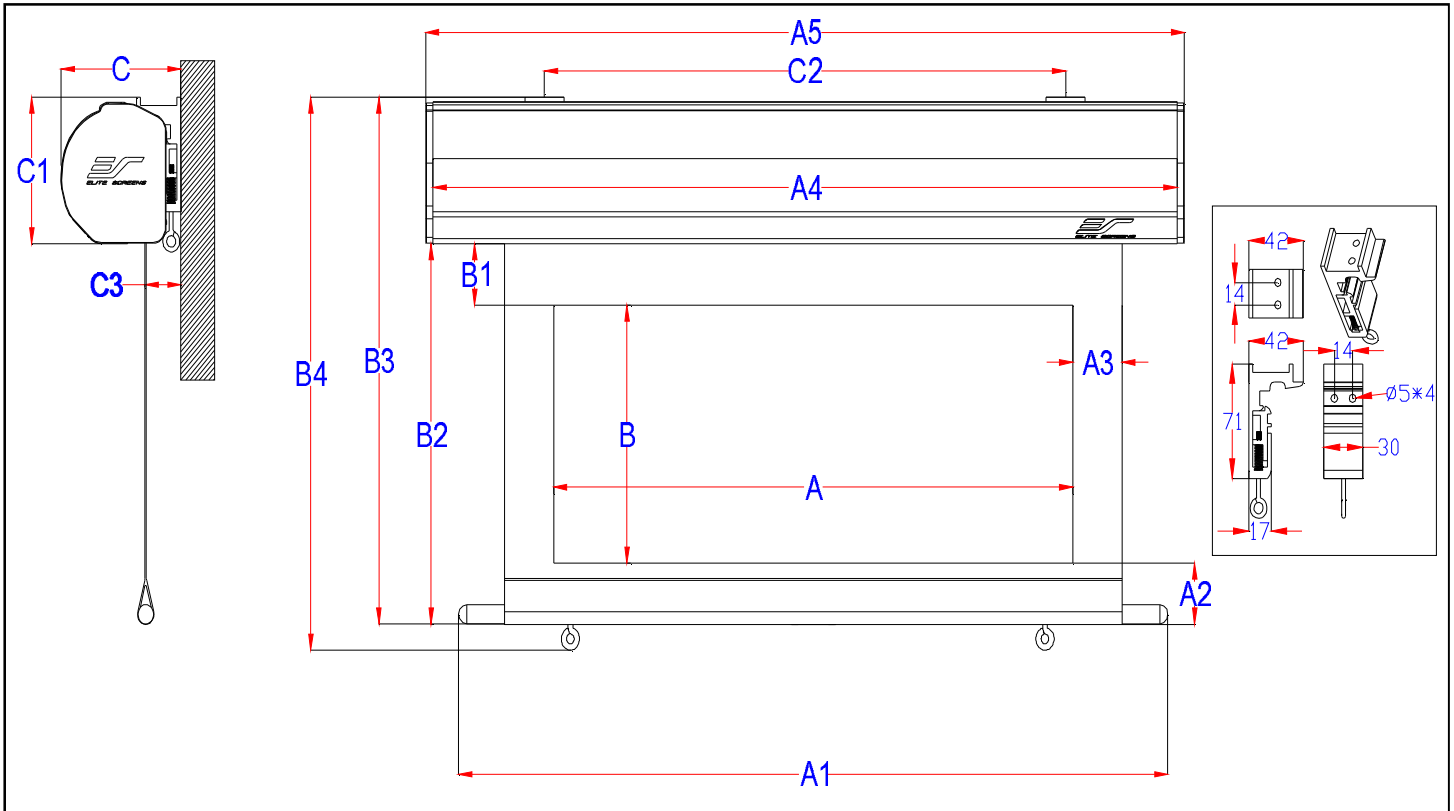


**Section 5: Product Specifications**

**5.1 Dimensions**

Model Number	Diag. Size	Aspect Ratio	(A)	(A1)	(A2)	(A3)	(A4)	(A5)	(B)	(B1)	(B2)	(B3)	(B4)	(C)	(C1)	(C2)	(C3)
Unit: Inches																	
OMS100HM	100"	16:9	87.2	94.3	2.4	2.0	94.4	94.8	49.0	12.0	63.4	67.2	68.0	3.9	3.9	71.2	1.1
OMS120HM	120"	16:9	104.6	111.7	2.4	2.0	111.9	112.3	58.8	12.0	73.2	77.0	77.8	3.9	3.9	88.7	1.1
Unit: mm																	
OMS100HM	100"	16:9	2214	2394	60	50	2399	2409	1245	305	1610	1708	1726	98	98	1809	28
OMS120HM	120"	16:9	2657	2837	60	50	2842	2852	1494	305	1859	1957	1975	98	98	2252	28

5.2 Drawing



5.3 Pictures

*Yard Master Manual – Sizes*



Weight Bar and Eye loop Detail



Casing Detail



Bracket Detail



**Magnetic Bottom Bracket Detail**



**RF Remote**



**Installation Kit**



Life Style



## Section 6: About Elite Screens

### 6.1 Company Description

*Elite Screens Inc.* is a California based company that specializes in making quality commercial and home-theater projection screens for the retail and custom install sales channels. Our company began as an innovative venture into the projection market by manufacturing veterans from the AV/IT industry. Elite Screens quickly established itself as an entry level commercial and home theater screen manufacturer. This was accomplished by making a quality product cost effective with a focus on mass-producing screen material, sizes and aspect ratios that were most commonly preferred by AV customers in general. We focused on uniformity with what would match the mainstream demographic while including extra features that are not usually included by other manufacturers. In time, we progressed from just retail sales into the realm of custom installer/integrator manufacture as our numerous reviews and awards will attest. We stand behind our product and are so certain of customer satisfaction with the quality of our product that we offer a 2-year manufacturer's warranty which is twice the industry standard. In our continued devotion to excellence in products and service, we are committed to implementing green practices with our production. We have adopted manufacturing methods that promote conservative regulation of our energy needs. Our simple product designs combined with the expertise of our permanent staff ensures that our entire line of products are made by experienced hands devoted to the high standards of today's audio-video consumer.

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