

YARD MASTER MANUAL SERIES

Section 1: Screen Design

1.1 What is it for?

Elite Screens' **Yard Master Manual Series** is a non-electric outdoor projection screen for wall and patio installations that brings media room quality to your outdoor spaces. Its sleek enameled weather resistant aluminum casing beautifully accessorizes your backyard, patio, pool deck, or anywhere a gathering for evening movie time is appropriate.

1.2 How does it work?

The rising and lowering mechanism utilizes an SRM (slow react mechanism) that prolongs the product's lifespan and allows the material to rise back up into its casing unassisted. The **MaxWhite®** projection material is ideal for the outdoors while it provides a wide viewing angle that will accommodate your entire viewing audience. It is also GREENGUARD® certified for safe air quality emissions.

Section 2: Product Features

2.1 Characteristics

Screen Material

- Acclimated to outdoor use without compromising home theater sophistication.
- MaxWhite® 1.1 gain (matte white) front projection material with 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 and Active 3D Ready
- GREENGUARD® and GREENGUARD® Gold Certified (UL 2818) for safe indoor emissions
- 2-year limited manufacturer's warranty, and 3-year warranty for ENR-G - Education, Non-profit, Religious and Government/Military organizations

Design and Installation

- Dynamic indoor home theater quality with outdoor durability
- Ideal for backyards, patios, pool decks, and recreation rooms
- Rust-proof metal components - housing, roller tube, brackets, handle, weight bar
- Slow-retract system allows hands-free operation during screen retraction

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)
OMS100HM	100"	16:9	49.02	87.17	MaxWhite®	1.1	Black	17.95	24.52	98.82"x6.50"x5.91"
OMS120HM	120"	16:9	58.82	104.61	MaxWhite®	1.1	Black	22.93	31.70	116.24"x6.10"x6.69"

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

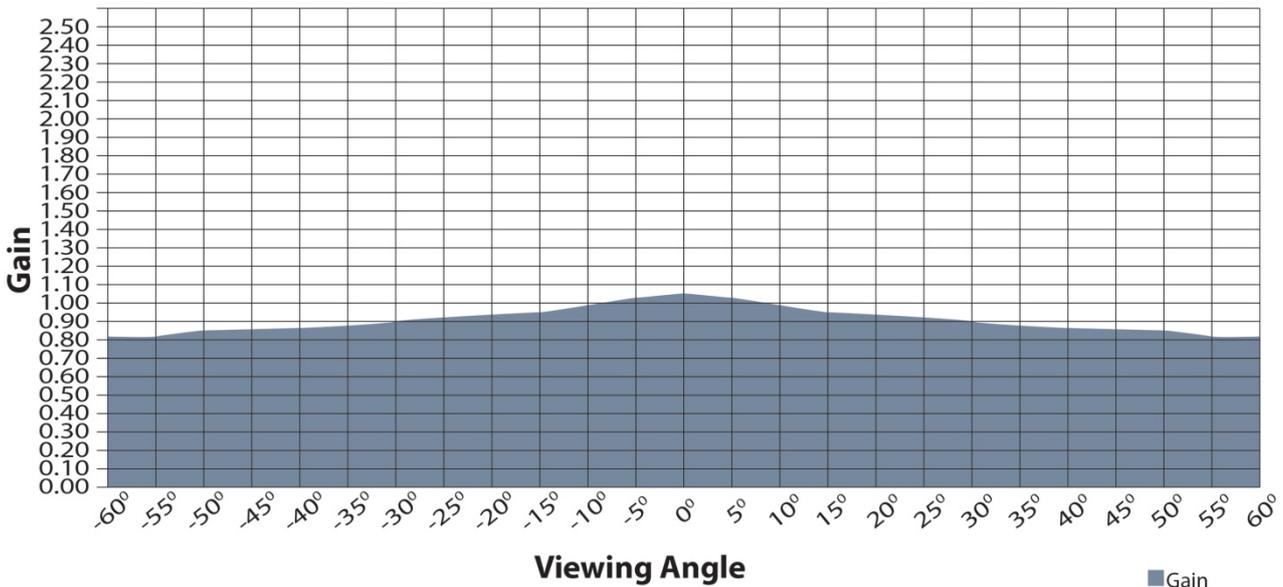
- Multi-layer weave and textured surface coating
- Gain: 1.1
- View Angle: 180° (90° ± LR)
- Mildew Resistant
- Black backing
- Active 3D and 4K Ultra HD ready
- Surface can be easily cleaned with mild soap and water
- GREENGUARD® and GREENGUARD® Gold Certified | UL 2818

Specifications	
Thickness	0.41mm (0.016")
Weight	530 g/m ²
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 Manual has a retractable design that allows the material to be drawn up into its protective casing to be shielded from solar radiation.

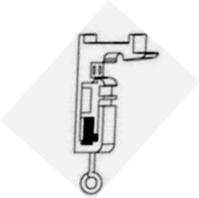
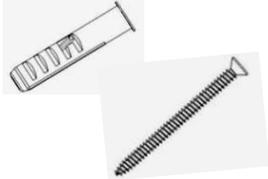
4.2 Care & Use Instructions

◆ 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 Submittals

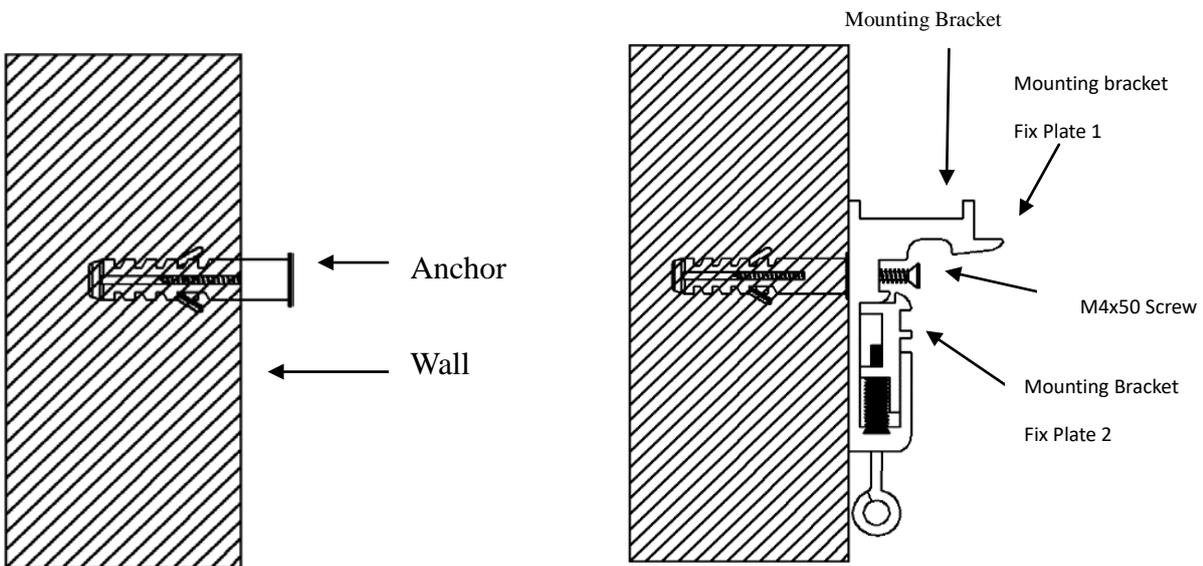
Hardware Parts List for Yard Master Manual Series			
A. Mounting Bracket x2pcs	B. M10 Anchor and M4x50 Screw x4pcs	C. M10 Anchor and M5x50 Screw x1pcs	D. Suspended Ceiling Bracket Connector x2pcs
			
E. M5x15 Screw & Bolt x4pcs	F. Curved Nail x2pcs	G. Hook x2pcs	H. Elastic String x2pcs
			

4.4 Installation

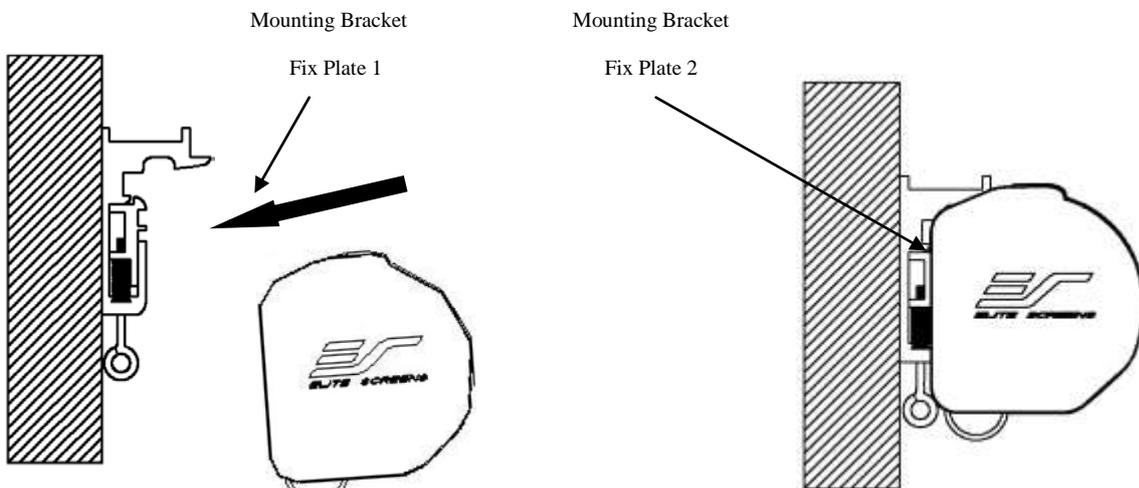
Please consult a professional installer, Elite Screens is not liable for faulty installations.

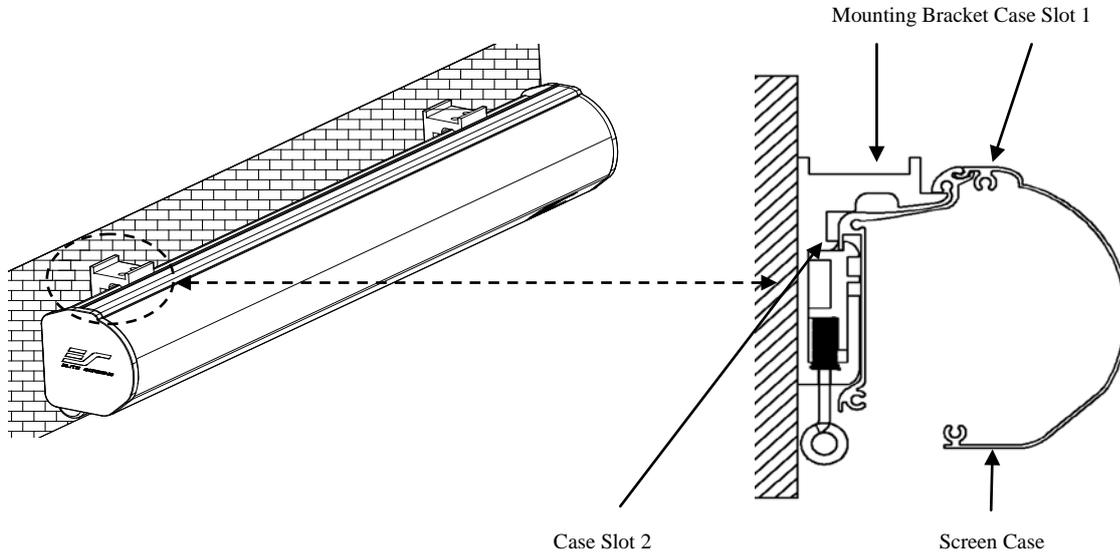
Flush Mount to the Wall

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)**.



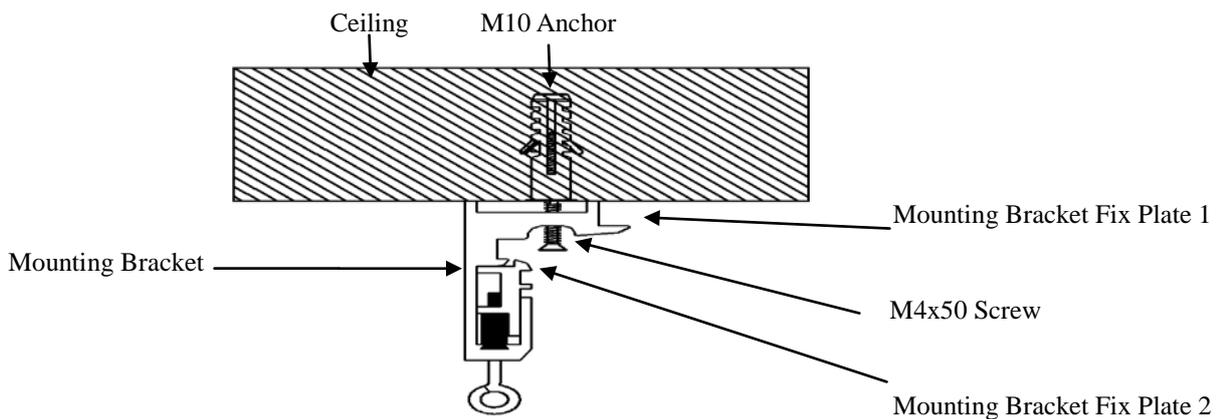
3. Attach the screen to the **Mounting Brackets (A)** by inserting the top of the case to Fix Plate 1 and securing the back of the case to Fix Plate 2. Make sure the case slots are securely attached to the mounting brackets.



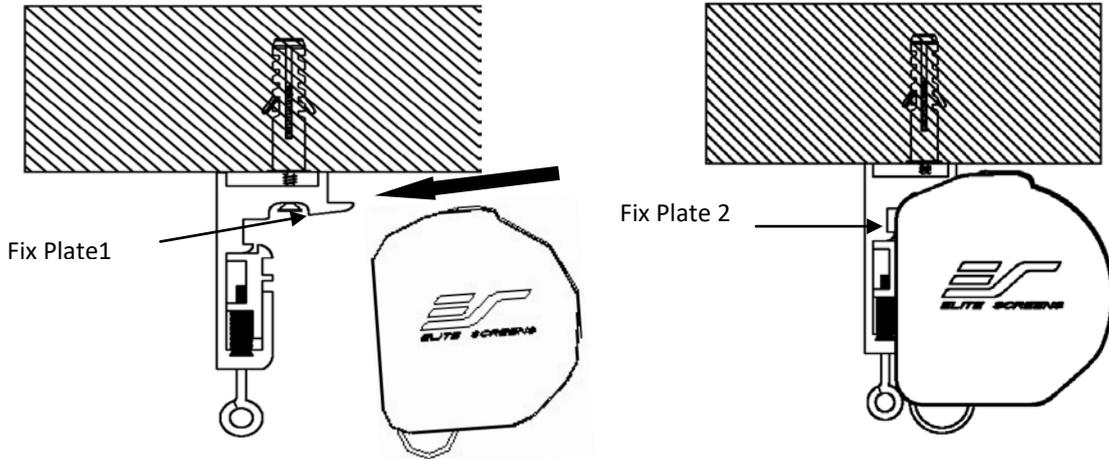


Flush Mount to the Ceiling

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)**.

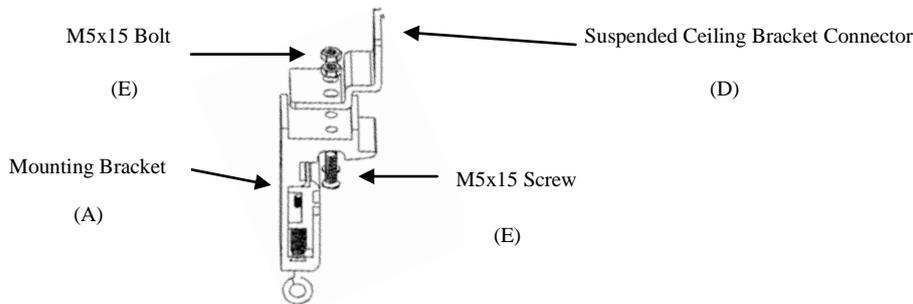


3. Attach the screen to the **Mounting Bracket (A)** by inserting the top of the case to **Fix Plate 1** and securing the back of the case to **Fix Plate 2**. Make sure the case slots are securely attached to the **Mounting Bracket (A)**.

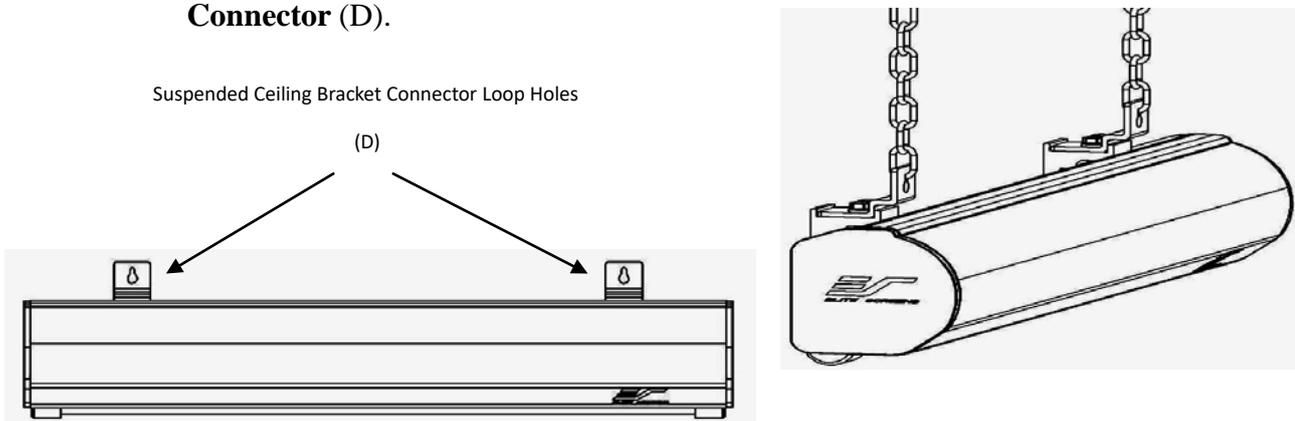


Suspended Ceiling using Chains (additional hardware required)

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)**.

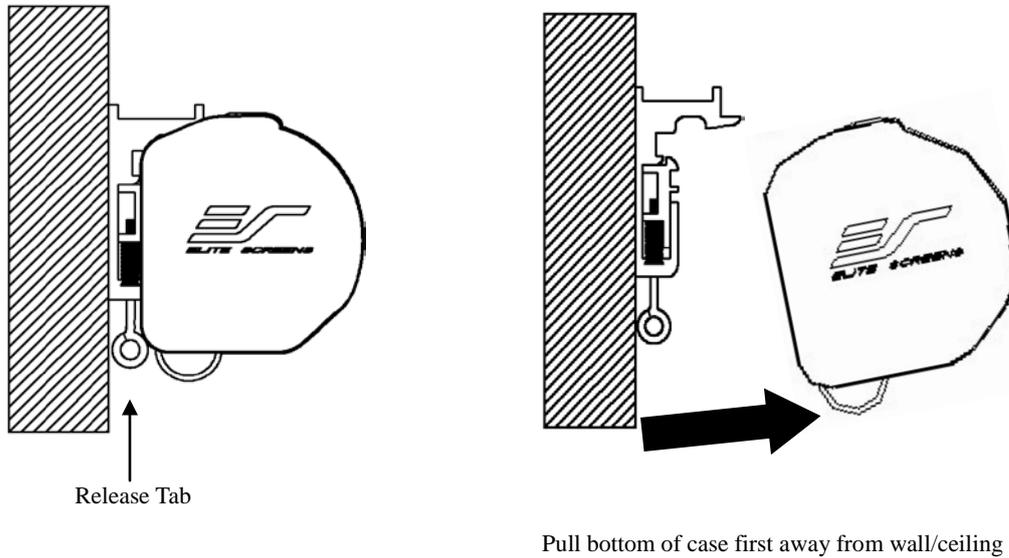


3. Insert chains (not included) through the loop holes of the **Suspended Ceiling Bracket Connector (D)**.



Screen removal from the Mounting Brackets

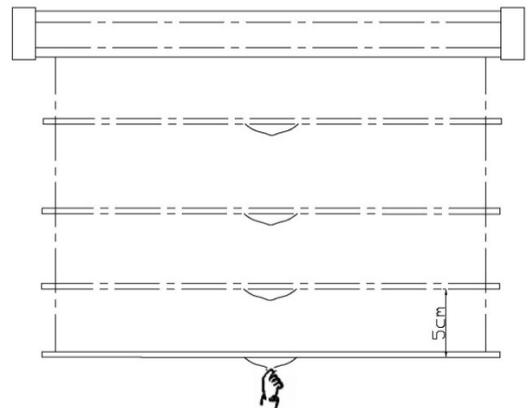
1. Pull down on the Mounting Bracket Release Tab and remove the bottom case away from the wall/ceiling followed by the top of the case.



Screen Operation

1. Pull the screen down from the lanyard or from the handle only in a 90-degree angle. The screen is designed to stop at any location. To achieve this, make sure to pull straight down and allowing the screen to come up to lock into place. **Do not attempt to pull the screen down by the surface or touch the screen, as it will damage the screen and void the warranty.**

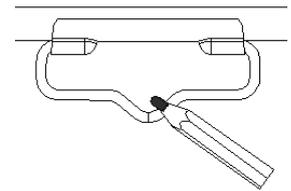
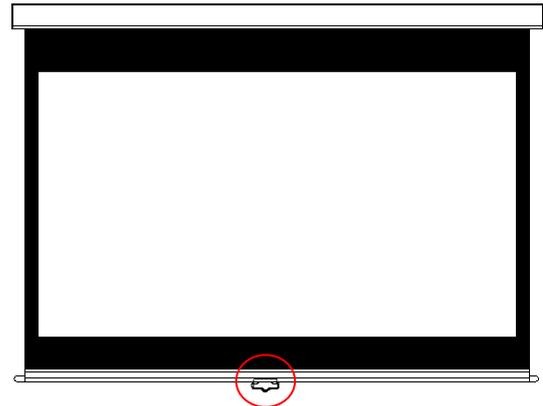
2. To retract the screen, simply pull the screen down more than 2 inches and retract the screen back releasing it up gently. The screen is equipped with a **SLOW RETRACT MECHANISM** which allows the screen to slowly retract without the need to hold on to the handle or lanyard. Simply release the handle and the screen will retract by itself into the housing.



Attention: If the screen does not unlock, carefully pull the screen straight down with a little force. Always pull the screen down at a 90-degree angle.

Securing the weight bar location

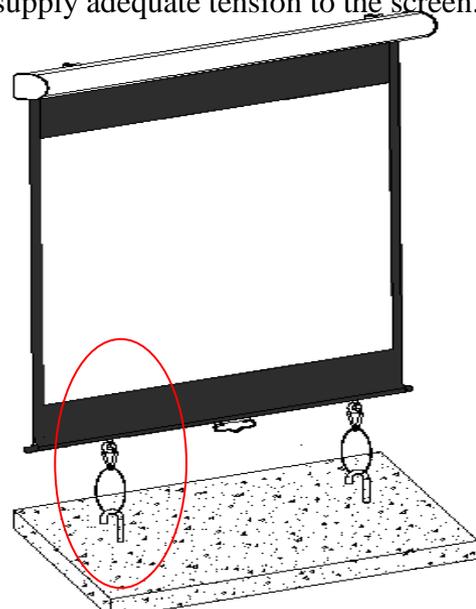
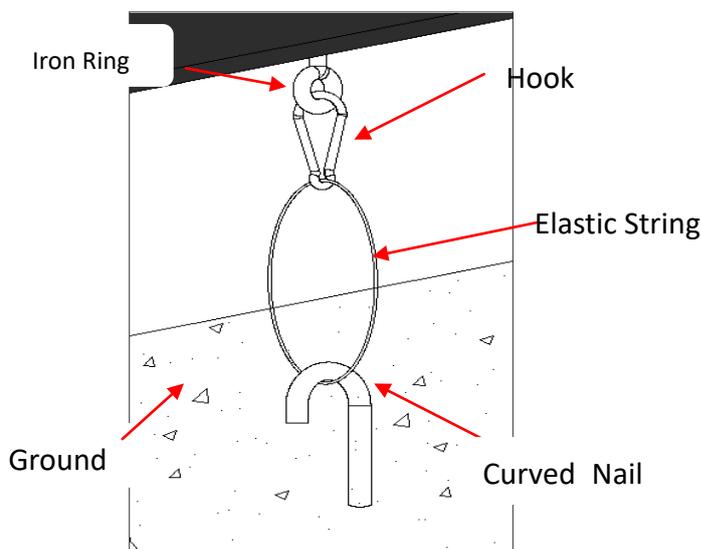
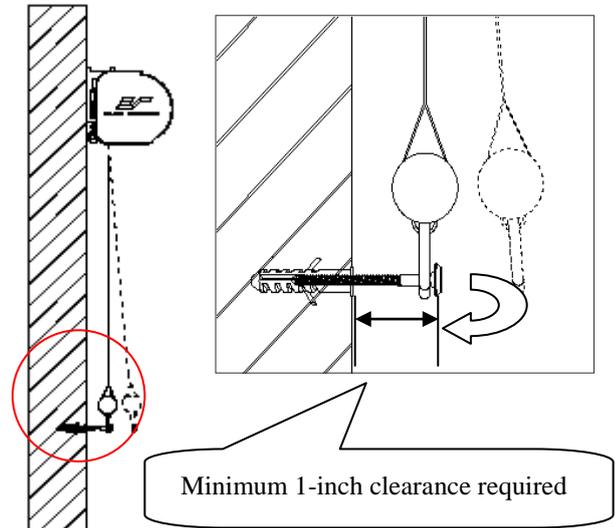
1. Pull the screen down until you have reached the desired location.
2. Mark the drill-hole area of where the screw is to be installed, then retract the screen.
3. Drill the hole and insert an **M10 Anchor (C)**, secure it with an **M5x50 Screw (C)**. Allow a 1-inch gap between the wall and screw head to allow room for the weight bar and pull handle to release freely.
4. Pull the screen down and secure it to the screw location.
Make any adjustments if there are any deviations.



Note: Remove the screw when not in use any longer to avoid an accident.

How to ground the screen

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



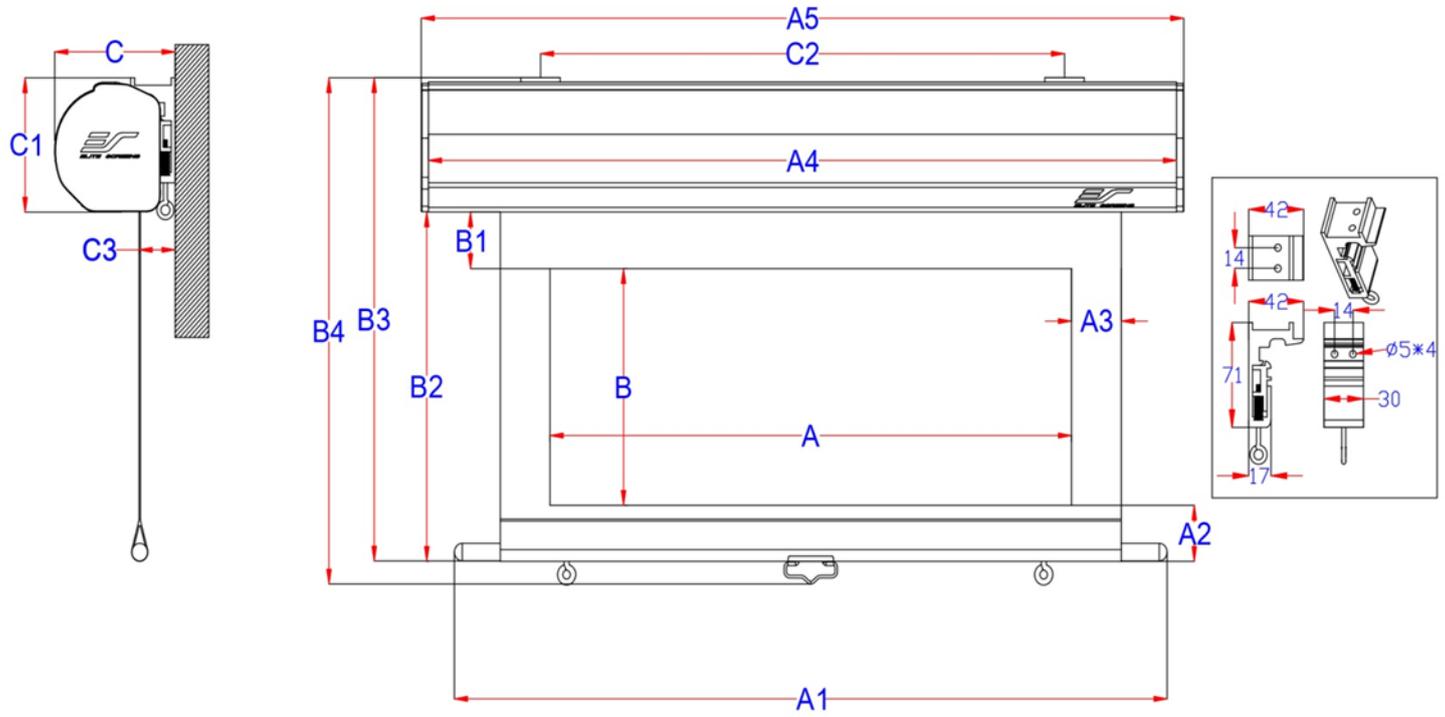
Section 5: Product Specifications

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	87.17	93.31	2.36	1.50	94.88	95.28	49.02	5.98	57.36	60.83	62.09	3.54	3.46	71.65	1.1
OMS120HM	120"	16:9	104.61	110.75	2.36	1.50	112.32	112.72	58.82	5.98	67.17	70.63	71.89	3.54	3.46	89.09	1.1
Unit: mm																	
OMS100HM	100"	2214	2370	60	38	2410	2420	1245	152	1457	1545	1577	90	88	1820	28	2214
OMS120HM	120"	2657	2813	60	38	2853	2863	1494	152	1706	1794	1826	90	88	2263	28	2657

The listed measurements are for general reference only. Please contact Elite Screens to verify product design and dimensions before attempting to integrate its products with any structural or furniture modification. Although a manufacturer may offer product advice, it may be taken or disregarded at the integrator's discretion. Elite Screens will not be held responsible or be otherwise liable for faulty installations.

5.2 Drawing

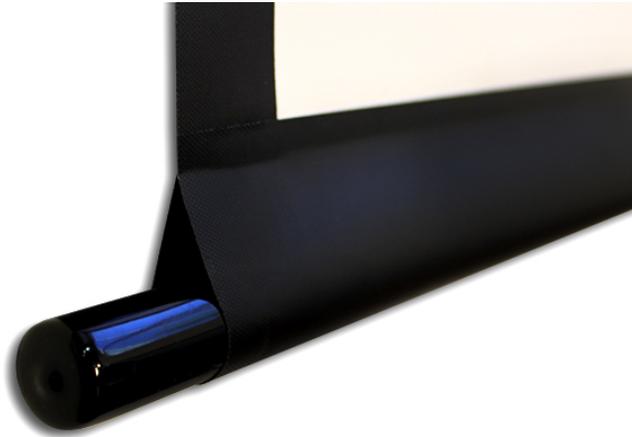


5.3 Pictures

***Yard Master Manual* – Front View**



Weight Bar Detail



Casing Detail



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.

###