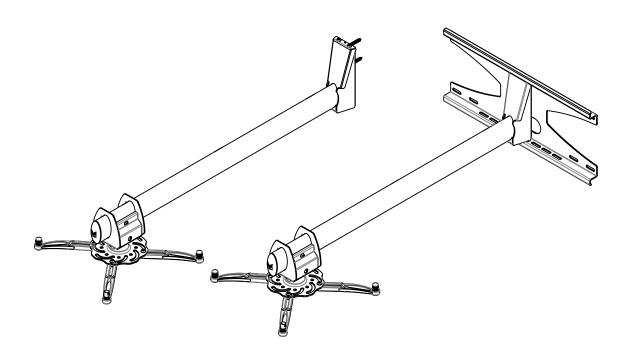


# INSTALLATION INSTRUCTIONS



### Single-Stud/Dual-Stud Short-Throw Projector Wall Mount Model: EST100/EST200

#### **NORTH AMERICA**

3130 East Miraloma Avenue Anaheim, CA 92806 USA <u>USA and Canada</u> Phone: 1-800-368-9700 Fax: 1-800-832-4888 <u>Other Locations</u> Phone: (001) 714-632-7100 Fax: (001) 714-632-1044

#### **EUROPE**

Swallow House, Shilton Industrial Estate, Shilton, Coventry, England CV79JY Phone: +44 (0) 2476 614700

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9530-011-001-00





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### Weight Capacity

25 lbs. Maximum projector weight:

THE WALL STRUCTURE MUST BE CAPABLE OF HOLDING FIVE (5) TIMES THE WEIGHT OF THE PROJECTOR. IF NOT, THEN THE WALL STRUCTURE MUST BE REINFORCED.

#### Warning Statements



PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS SHOULD BE READ AND COMPLETELY UN-DERSTOOD. THE INSTALLATION INSTRUCTIONS MUST BE READ TO PREVENT PERSONAL INJURY AND PROPERTY DAMAGE. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE. PREMIER MOUNTS DOES NOT WARRANT AGAINST DAMAGE CAUSED BY THE USE OF ANY PREMIER MOUNTS PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS DESIGNED OR DAMAGE CAUSED BY UNAUTHORIZED ATTACHMENTS OR MODIFICATIONS, AND IS NOT RESPONSIBLE FOR ANY DAMAGES, CLAIMS, DEMANDS, SUITS, ACTIONS OR CAUSES OF ACTION OF WHATEVER KIND RESULTING FROM, ARISING OUT OF OR IN ANY MANNER RELATING TO ANY SUCH USE, ATTACHMENTS OR MODIFICATIONS. SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE ASSEMBLY OF THIS PRODUCT. USE PROPER STOP SAFETY GEAR AND TOOLS FOR THE ASSEMBLY PROCEDURE TO PREVENT PERSONAL INJURY. At least two qualified people should perform the assembly procedure. Injury and/or damage can result from dropping or mishandling the projector. If mounting to studs, make sure that the mounting screws are anchored into the center of the studs. Use of an edge-to-edge stud finder is recommended. Be aware of the mounting environment. If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in wall. Cutting/drilling into an electrical line may cause serious injury. Make sure there are no water lines inside the wall where the mount is to be located. Cutting/drilling into a water line may cause severe water damage to the mounting surface. This product is intended for indoor use only. Use of this product outdoors could lead to product failure and personal injury. Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact Contact Premier Mounts with any questions (800) 368-9700

techsupport@mounts.com

Visit the Premier Mounts website at http://www.mounts.com

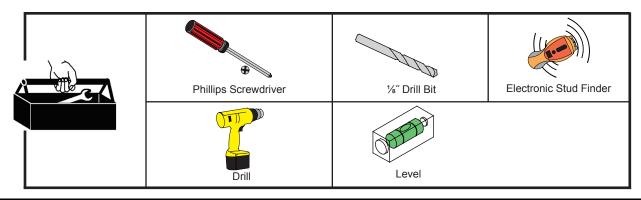
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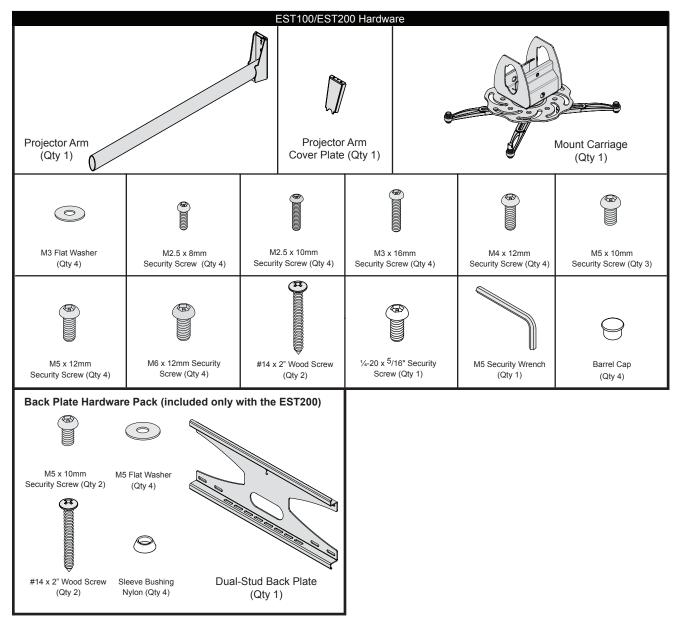
Installation Tools

The following tools may be required depending upon your particular installation. They are not included.



### Parts List

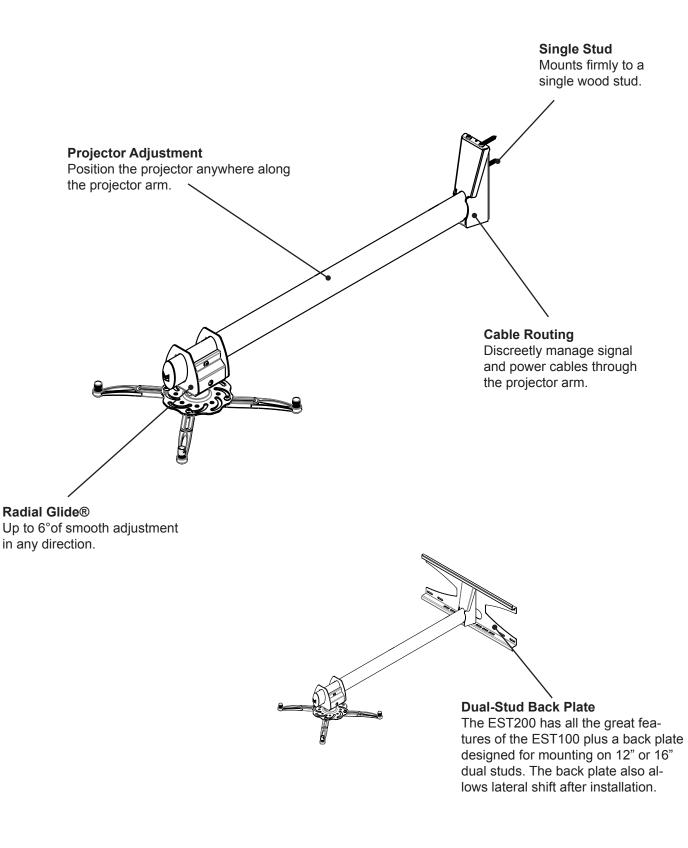
Make sure your Premier Mounts product has the following hardware and components before beginning installation. If there are parts missing and/or damaged, stop the installation and call Premier Mounts at (800) 368-9700.



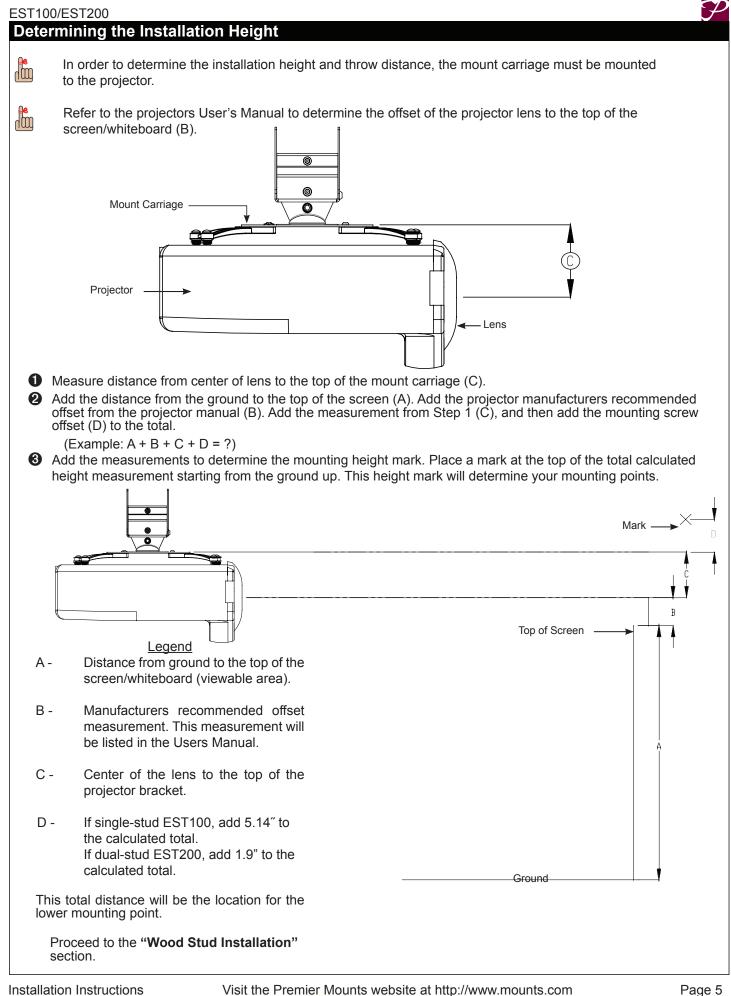
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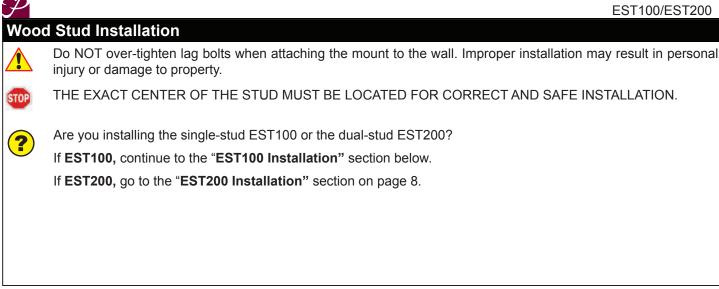


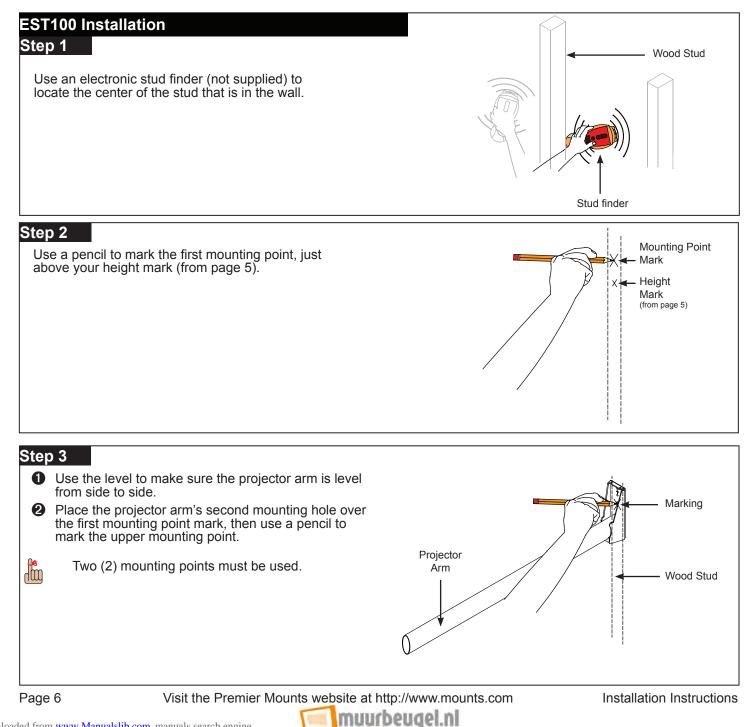
The Single-Stud/Dual-Stud Short-Throw Projector Wall Mount (EST100/EST200) is a simple and elegant tool for mounting a wide variety of short-throw projectors. Its design allows you to use the same mount even if you need to replace the projector with a different model. Unique features include a mount carriage that easily slides along the projector arm for quick screen size adjustments, integrated cable management, and Lock-It<sup>™</sup> security screws and barrel for enhanced security.

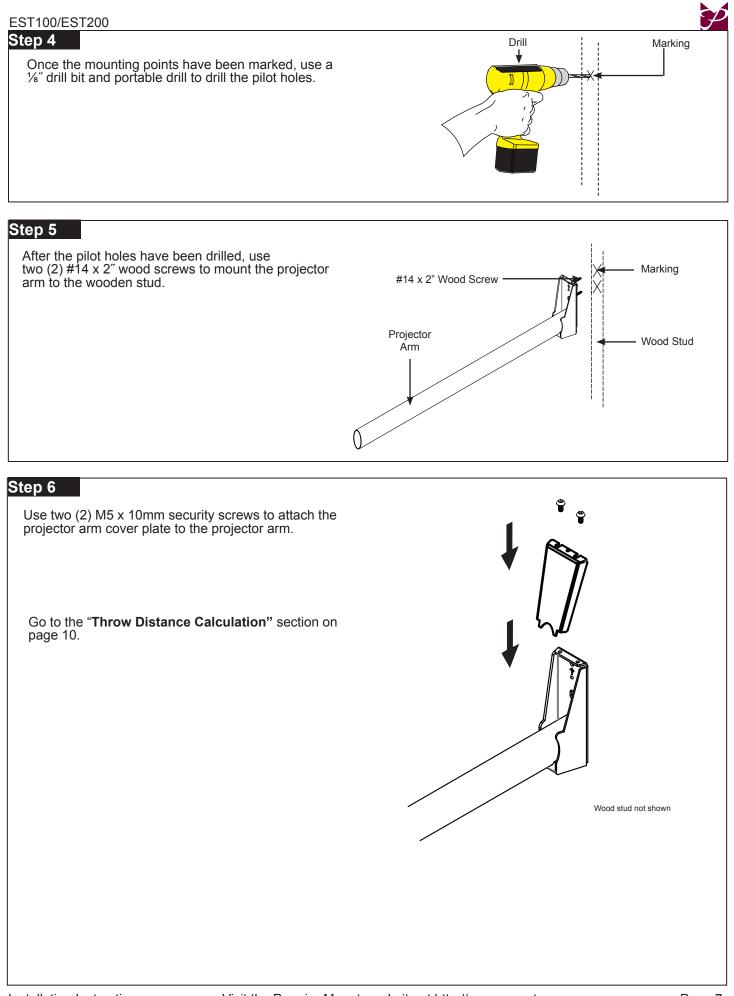


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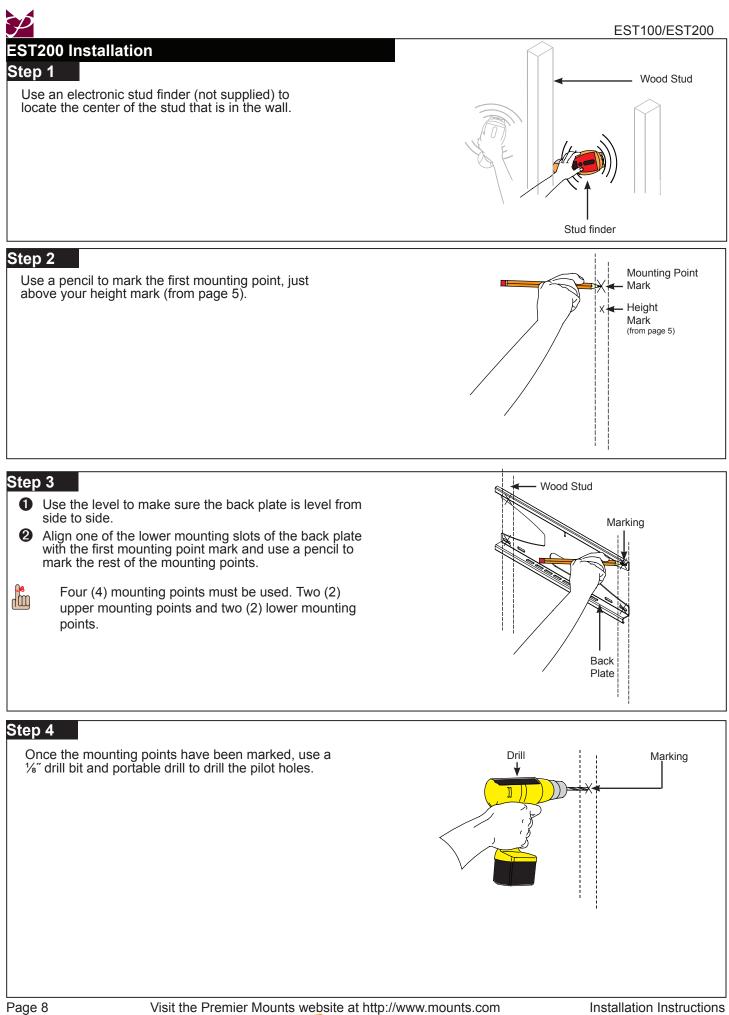








Installation Instructions



muurbeugel.nl

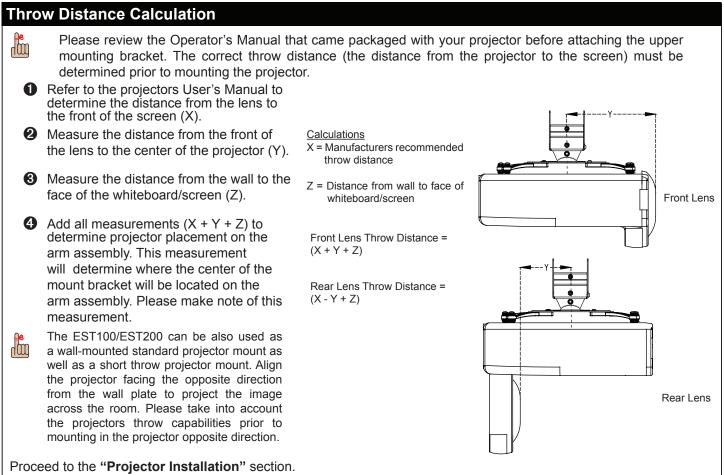
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Installation Instructions

ST100/EST200	
tep 5 Put the projector arm cover plate on the projector arm.	Projector Arm Cover Plate
	Projector Arm
ер 6	
Place the projector arm assembly within the desired mounting slots on the back plate.	
<ul> <li>Use four (4) M5 x 10mm security screws, four (4) M5 flat washers and four (4) sleeve bushing nylons</li> </ul>	°
to attach the projector arm assembly to the back plate.	₩ ¥
The elongated mounting slots in the back plate allow some lateral shift for precisely adjusting the	
allow some lateral shift for precisely adjusting the projector arm.	
	● ● ●
0	
<b>ep 7</b> Use four (4) #14 x 2" wood screws to mount the back plate to the wooden studs where the pilot holes are.	
plate to the wooden studs where the pilot holes are.	
The elongated mounting slots in the back plate allow some lateral shift for precise adjustments against	
the studs.	
Proceed to the " <b>Throw Distance Calculation</b> " section on page 10.	
stallation Instructions Visit the Premier Mounts v	vebsite at http://www.mounts.com Pag

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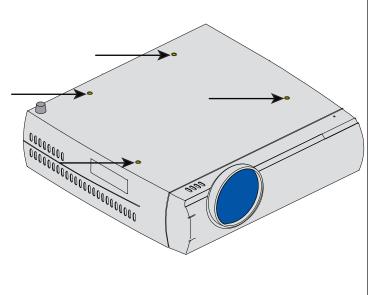
#### EST100/EST200



### **Projector Installation** Attaching the Projector to the Mount Carriage

Locate the mounting points on the bottom of the projector (see arrows).

Proceed to the "Attaching the Mount Carriage" section.



#### EST100/EST200

# Attaching the Mount Carriage Selecting the Mounting Hardware

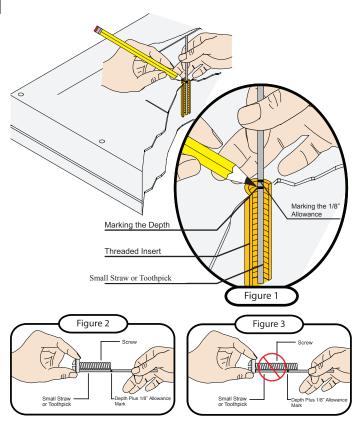
- Insert a small straw or toothpick into the threaded inserts found on the bottom or top of the projector.
- 2 Use a pencil to mark the depth of the threaded insert on the small straw or toothpick.
- Mark the straw or toothpick 1/8" above the depth of the threaded insert, as shown in Figure 1.
- Insert the small straw or toothpick into the remaining threaded inserts to compare and verify their depth using the straw or toothpick's 1/8" allowance mark.
- **(b)** Locate the correct diameter screw for the threaded insert.
  - If the screw you selected is longer than the 1/8" allowance mark on the small straw or toothpick, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.
- **(b)** Test each size of the screws provided. The correct screws should thread easily into the mounting point and not pull out when tension is applied.

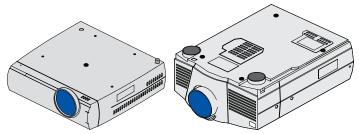


Does your projector have multiple mounting points or a single mounting point?

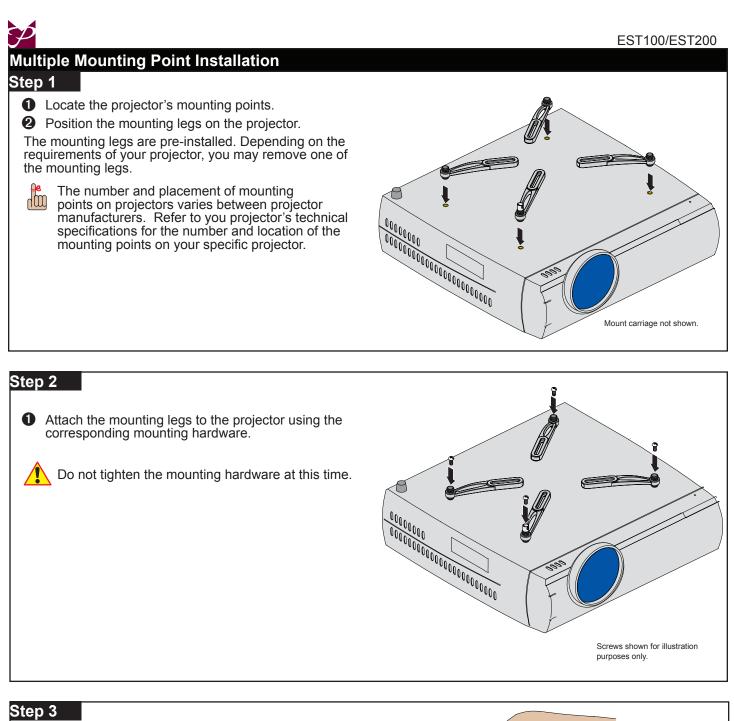
If your projector has multiple mounting points, proceed to the **"Multiple Mounting Point Installation"** section.

If your projector has a single mounting point, skip to the "**Single Mounting Point Installation**" section on page 14.

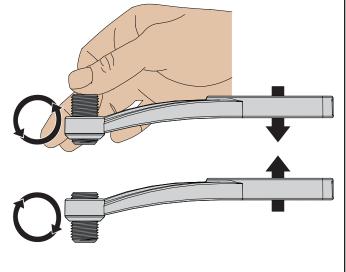








- If the mounting legs need to be leveled, rotate the leveling barrels to level the mounting bracket.
   To raise the mounting legs, rotate the leveling barrel clock-wise. To lower the mounting leg, rotate the leveling barrel counter clock-wise.
   Raise or lower each of the mounting legs, by rotating the leveling barrels, until all of the mounting legs are at an equal height.
   Lower the mounting leg by rotating the leveling barrel counter-clockwise.
   Paice the mounting legs by rotating the leveling
- Raise the mounting legs by rotating the leveling barrel clockwise.
- When the desired position is achieved, tighten the mounting screws to the projector and then tighten the hex head leg screws with the M5 Allen wrench.



Visit the Premier Mounts website at http://www.mounts.com

#### Pro Tip

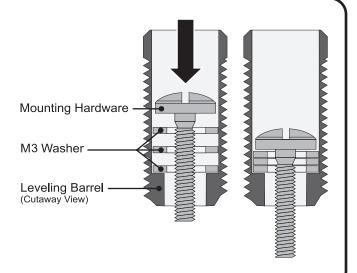
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**Mounting Hardware Too Long?** The depth of some projector mount points may prevent you from tightening the M2.5 and M3 mounting hardware.

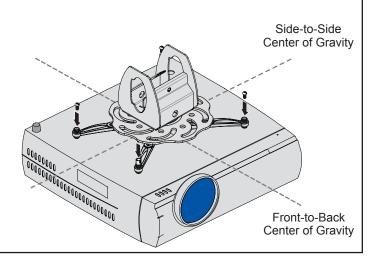
You can reduce the length of the M2.5 and M3 mounting hardware by stacking up to a maximum of five (5) M3 flat washers inside the leveling barrel.

Avoid stacking too many M3 washers; the mounting hardware must thread into the projector mount point at least four (4) complete turns.



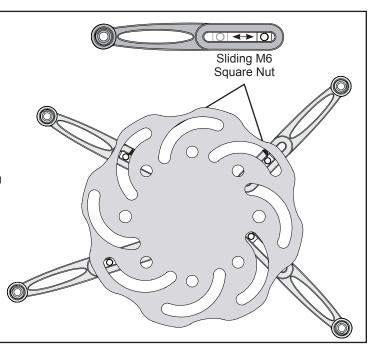
#### Step 4

- Identify the projector's approximate front-to-back center of gravity. Place your hands on each side of the projector and gently lift it an inch from the surface on which it is resting. Carefully adjust your grip on the projector until it seems balanced from front-to-back. Mentally note the apparent center of gravity.
- Identify the projector's approximate side-to-side center of gravity. Place your hands on the front and back of the projector and gently lift it an inch from the surface on which it is resting. Carefully adjust your grip on the projector until it seems balanced from side-to-side. Mentally note the apparent center of gravity.
- Make sure the mount carriage is as close as possible to the projector's center of gravity.



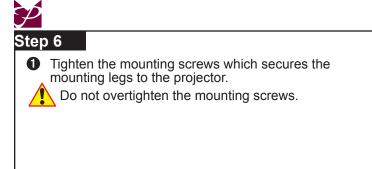
### Step 5

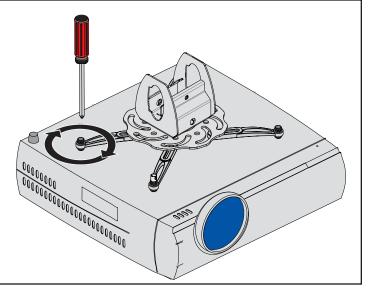
0 Position the legs accordingly for best configuration. You may raise or lower each leg independently by turning the leveling barrels. Secure the legs to the mount carriage by screwing 2 M6 x 12mm security screws into the M6 square nut (do not overtighten) on the mounting legs. Verify the position of the integrated sliding M6 square 8 nut in the mounting leg relative to a nearby slot on the mount carriage. If the M6 square nut is not aligned with any slot, you http can use any thin implement, such as a toothpick, to nudge it into alignment.



Installation Instructions

Visit the Premier Mounts website at http://www.mounts.com

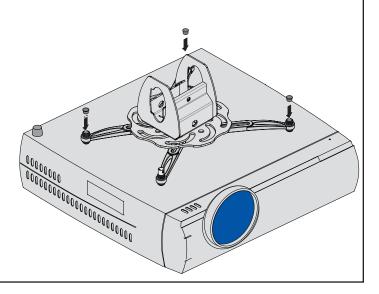




### Step 7

• Insert one (1) Barrel Cap (except for the security barrel) into the end of each leveling barrel.

Go to the **"Attaching the Mount Carriage to the Projector Arm"** section on page 15.



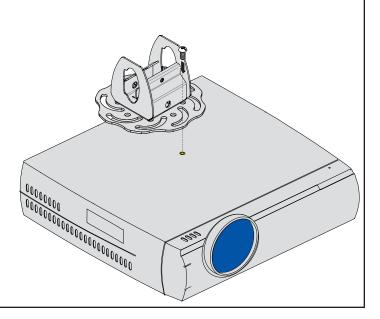
### Single Mounting Point Installation

A single  $\frac{1}{4}$ -20 x  $\frac{5}{16}$ " screw must be used to attach the mount carriage to the projector if your projector has only one mounting point.

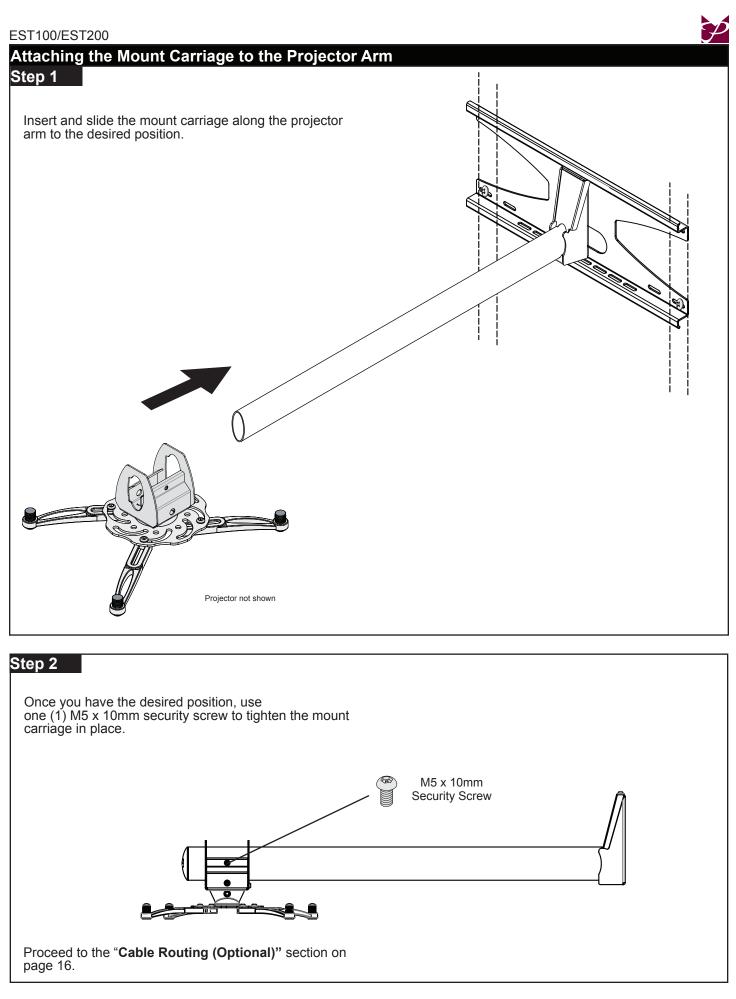


Do not overtighten the  $\frac{1}{4}$ -20 x  $\frac{5}{16}$ " screw.

Proceed to the "Attaching the Mount Carriage to the **Projector Arm**" section on page 15.



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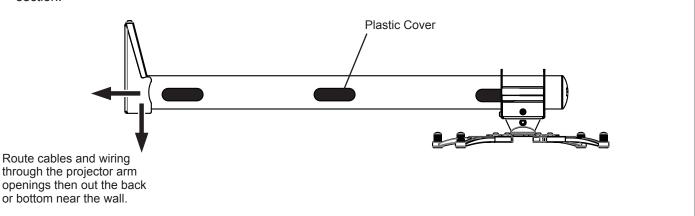


Visit the Premier Mounts website at http://www.mounts.com

### Cable Routing (Optional)

- Remove the plastic cover(s) from the cable routing openings.
- Route cables and wiring through the openings then out the back or bottom near the wall.

Proceed to the "Securing the Projector (Optional)" section.



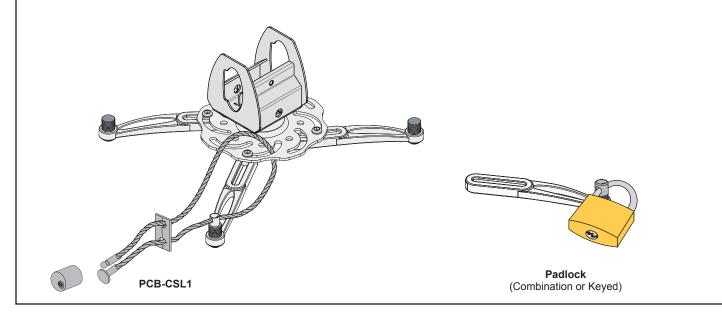
# Securing the Projector (Optional)

Your EST100/EST200 includes one (1) Security Barrel which can provide additional theft deterrence for your projector.

Shown below are two examples of how you can use the security barrel to make your projector installation more secure: the PCB-CSL1 Security Cable (sold separately) or padlock (combination or keyed; sold separately). Follow the instructions below to install and secure the security barrel.

- Determine which leveling barrel will be removed.
- **2** Remove the mounting screw.
- **3** Remove the leveling barrel by turning the leveling barrel counter-clockwise.
- **4** Thread in the security barrel clockwise.
- **(b)** Insert and tighten the mounting screw.
- 6 Attach theft deterrent device (PCB-CSL1 or padlock) through the hole that is on the security barrel.

Proceed to the "Mount Adjustment" section on page 17.



Visit the Premier Mounts website at http://www.mounts.com



# Mount Adjustment

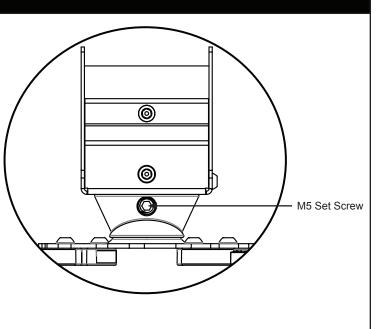
After the projector has been installed, the projector must then be adjusted. To adjust the projector:

• Loosen the M5 set screw using the M5 Allen wrench (both sides).

Adjust the projector to the correct position. Firmly grasp the projector in both hands, and tilt either forward or backward to adjust the level.

-OR-

- **3** Firmly grasp the projector in both hands and rotate side to side for orientation adjustment.
- Tighten both M5 set screws using the M5 Allen wrench.

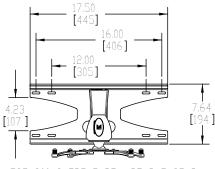


# **Technical Specifications**

All measurements are in inches(mm).



EST-100 SHORT THROW SINGLE STUD



EST-200 SHORT THROW DOUBLE STUD

