

Wood Traditional Pergola



Assembly Manual

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Thank you for your purchase of this Pergola. This manual is designed to simplify the assembly process, however we recommend having an experienced carpenter involved in the project. Please read through the entire manual before starting!

The Pergola put together for this manual was a 12x16 Rectangle. This manual can also be used for other sizes. It took 2 men, approximately 3 hours using the tools shown. However, it may take you longer since it will be a new project for you.

Take a deep breath and get at it; the satisfaction and enjoyment of this Pergola is only a few hours away. Have fun!

You have purchased a product that consists of heavy, bulky pieces. With your purchase, you assume full responsibility to have the necessary manpower and/or equipment available to unload the items. You also agree that any damage that happens to the equipment, product, or individuals during the unloading process, or during the entire construction process, is your responsibility, and neither the seller, nor the manufacturer, will be held liable for any such damage.

Tools Required for Job



6' & 10'
Step
Ladders



Hammer



Ratchet with
9/16" & 3/4"
Socket



Hammer
Drill



1/2" Concrete
Drill Bit



Cordless
Drill



25' Tape
Measure



Utility
Knife



Paint
Brush



(4) 2x4x8' Long Boards
(2) 2x4 Approx 4' Long Boards
for bracing header assemblies

Parts List



10x1.1/2" Black Head
Screw



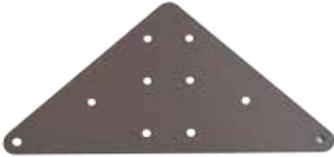
9x3" Brown Coated
Screw



8x1.1/4" SS
Screw



Lag Bolts



Triangle Bracket



5x5 Post Bracket



2x2 Screw Bit



Country Lane Name
Plaque w/ Serial #



Roof Plate



Rafter



Stringer



6x6 Post



Header Beam



Set your Pavilion Package as close to the building site as possible.



Remove protective shrink wrap. Do not unwrap until you are ready to build. Keep dry and protected until you are ready to assemble the pavilion.



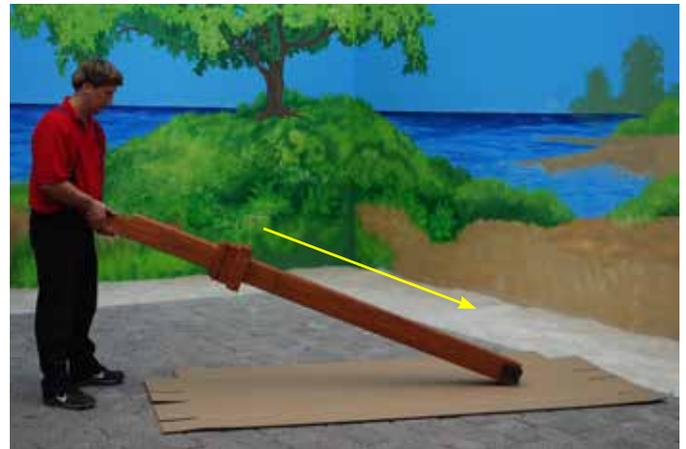
Locate the posts.
Note the bottom of the post has a Cavity. The top is solid.



Locate the 5x5 Post Bracket.



Attach 5x5 Post Bracket to the bottom of the post using 1.1/2 Black Head Screws.



Slide post skirt on to post. Ensure notches on bottom of Post Skirt line up with bracket.

For superior posts only



For Pergolas with Superior Posts Locate the top and bottom Squares.

Slide top and Bottom Squares onto post.



Superior Post Assembly.



Start Post and Header assembly. Locate the longest Header. If you ordered a square Pergola then all four headers will be the same length.



Center Header on the post. Ensure Header is even with the top of the post.



Fasten Header to post using 3" Brown Screws Through all Predrilled Holes.



Fasten adjacent Post to Header using previous steps.



After both sides are properly secured. Set Posts & Header Assembly into an upright position.



To keep the Header Assembly upright build a temporary A-frame brace using your own 8' long 2x4's and fasten with (2) 2.1/2" screws.



Assemble second Long Side Post & Header Assembly directly opposite the first.



Set up Second Post and Header assembly.



Locate the Short Headers.



Lift and set the the Short Header into place.



Fasten Header to post using 3”Brown Screws. Center Header on the post.Ensure Header is even with the top of the post.



Using Previous steps Install Adjacent Headers.



Measure across corners both ways and adjust to a square position.



Locate the 2x6 plate and place it on top of the Header.



Measure the outside reveal on both ends and space equally.
Maintain proper alignment at corners



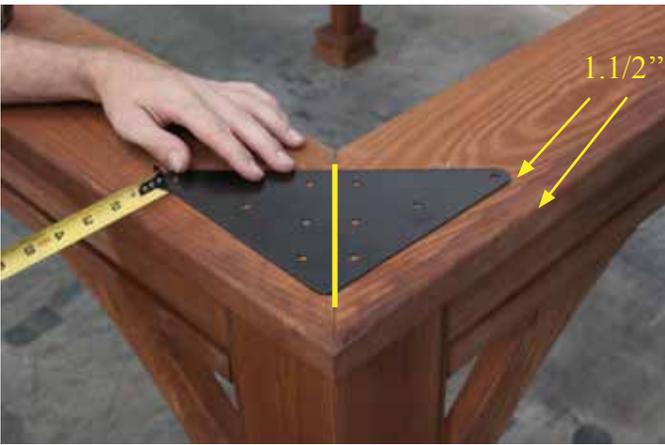
Center the plate onto post. Attach plate to header using 3" Brown screws.



Install adjacent Plates using previous steps.



Fasten Plate to Header using 3" Brown Screws spaced every 16".



Place the triangle Bracket on top of the 2x8 plate 1.1/2" from the outside edge and centered between holes.



Fasten triangle Bracket to 2x8 plate using (10) 1.1/4"SS screws for each plate.



You are now ready to install the rafters.



Place 2x6 Rafter on top of plate.



Align the outside edge of the first notch with the outside edge of the 2x8 plate.



Ensure the 2x6 Rafter is flush with the 2x8 Plate.



Fasten 2x6 Rafter to 2x8 plate approximately every 16" Using 3" Brown Screws through all predrilled holes.



Place remaining 2x6 Rafters on top of plate.



Locate the 2x4 Stringers.



Interlock the notch in the 2x4 with the notch in the 2x6.



Continue Interlocking 2x4 and 2x6 notches working from front to back.



Fasten 2x4s from the top down using 3" Brown Screws through predrilled holes.



Install the opposite end 2x4 using previous steps.



Place Remaining 2x4s across pergola top.



Working from left to right fasten 2x4s at each intersection using 3" brown screws.



Align 2x4 Stringer with 2x8 Plate.



Fasten Rafters to Plate using 3" Brown Screws from the bottom up through Predrilled holes.



Align 2x4 Stringer with 2x8 Plate in the center and fasten using 3" brown screws through predilled holes.



When attaching your Pavilion to your Patio, Ensure you attach it to a solid structure. (I.e. Concrete Base, Concrete Pad, Deck etc.. Do not attach to pavers alone. Pavers will not hold your Pavilion down in high winds.



First lift Post Base Trim up and away from brackets. Using a Hammer Drill and a 1/2" Drill Bit (Not Included). Drill into the footings below.



Insert and tighten 1/2" Lag Bolt. After tightening Bolt lower Post Base Trim into place.



Slide the post skirt down firmly into place.

Note:

Attach directly to concrete footer or concrete pad. Do not attach through pavers. Photos used in this assembly manual are for instructional purposes only!

Electrical Package Installation for: Traditional Wood Pergolas



Drill hole through post & top plate on angle and centered on post.



Drill hole through post skirt.



Find wire cover strip.



Take the wire cover strip and at the desired height where you want your switch and receptacle boxes to be located, make two marks spaced 5" apart.



Drill two holes at marked locations 5" apart.



Holes drilled in wire cover strip.



Feed wire through top hole.



Feed wire behind post skirt.



Feed both wires through wire cover strip.



Push wire cover strip against post.
Cut off extra wire leaving approximately 6-12".



Attach wire cover strip to post using 2.1/2” screws.
Caution:
Do not drive screws through wire under strip.



Work down post adding screws through predrilled holes.



Slide electrical box assembly over installed wire and wire cover strip.



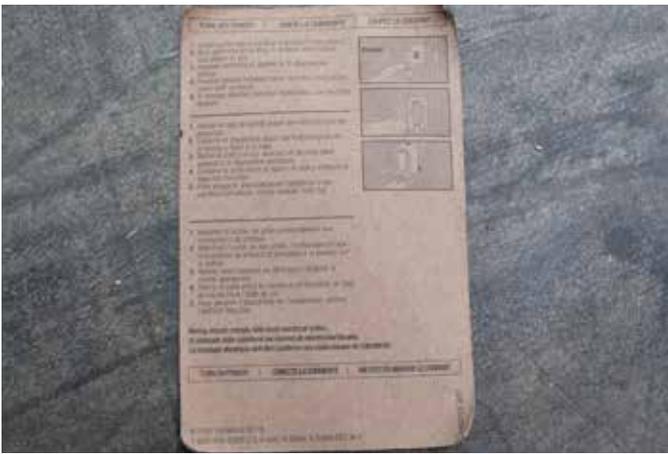
Attach boxes to post using 2.1/2” Screws through (4) pre-drilled holes in boxes. Angle screw out and away from wire behind wire cover strip.



Attach top electrical box onto joist using 1” screws through (2) pre-drilled holes in box.



Slide the wire through the hole in the Receptical Box.

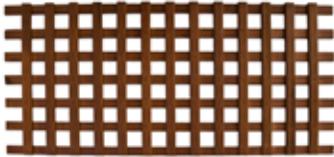


Use the manufactures manual for final hook up.



Install outdoor cover using Provided Manual.

Optional Roof Lattice



Lattice Panel



L Edge Trim



Flat Connecting Trim



9x2.1/2" Coated Screw



-Place 1st Lattice Panel in place between 2x6 Runners from the top. Place panel edge center of Rafter as shown.



-Place L Edge Trim onto lattice panel and ensure flush with front edge of pergola.



-Attach with (2) 2.1/2" Coated screws through pre-drilled holes.



-Showing L Edge Trim Installed.
-Flush with front edge.



-Place 2nd piece into place.
-Lattice should fall center of Rafter as shown above



Place Flat Connecting Trim to over lap both lattice sections.



-Attach Trim with (2) 2.1/2" coated screws through pre-drilled holes.

-Continue adding additional Lattice Panels and attaching Trim pieces until Lattice Roof is complete.

Optional Superior Post



Locate Superior Post Panels.



Place (2) Post Panels together as shown.



Place Post Panels into Bottom Square Trim.



Working around Post continue installing remaining Post Panels.



Slide Top Trim over Post Panels.



Ensure Top Trim is down against Post Panels.

Superior Posts Continued



Fasten Panels together using (3) 1.1/2" S S Screws in pre-drilled holes.



Fasten Top Trim to Post Panels using (2) 1.1/2 SS Screws per side.



Place L Trim onto corner resting on top of Base Trim.



Attach L Trim using (3) 1.1/2" Screws



Attach Bottom Trim to Post Panels Using (2) 1.1/2" SS screws per side.



Continue previous steps for remaining superior posts.



Enjoy your NewPergola!