Mine Mount Models

CRAFTSMAN MODEL KITS

Echo Point Lighthouse has been leading seafarers to safe harbor for decades. In the early years a lighthouse keeper lived nearby, keeping an eye on the beacon. Ensuring its continued operation. In more modern times the light was upgraded to an electronic version. It is maintained by the US Coastguard.

This kit is a beautiful representation of a small harbor light found in many areas along the coastline. It can be built easily in a few nights. Take your time and enjoy the process. You can build it into Echo Point Light or use your imagination to see what you can come up with for your railroad!

Tools & Supplies

- ✓ Hobby knife, with an #11 Xacto Blade
- ✓ Fine File
- ✓ Square & Ruler
- ✓ Pounce tool or T-Pin/Needle
- ✓ 1-2-3 blocks (optional)
- ✓ Small magnets (optional)
- ✓ NWSL Chopper (optional)
- ✓ PVA glue or wood glue
- ✓ Cyanoacrylate glue (CA)
- ✓ Paints & Brushes
- ✓ Rubber bands
- ✓ Tweezers
- ✓ Patience
- ✓ Fun

Pre-assembly

1. Inspect all sheets of laser cut materials against the diagrams provided in the instructions, checking for any missing pieces or damaged parts. Please reach out to us with any issue.
2. Before starting your model, read through these instructions completely to become familiar with the parts and assembly sequence.

Tower Support Structure

3. The core of the lighthouse body is made with parts #1,2,& A,B,C.
4. Place the base #1 on a flat surface and attach the main rib “A” across the center and into 2 slots. Use a 1-2-3 block and magnets to ensure it is vertical. Parts “B” x2 are glued perpendicular to “A”. Follow up with part “C” x4 glued into the remaining 4 slots

5. While the glue on the uprights is still pliable, add the top part #2. Line up the four tabs and glue in place.
6. Use the tower wrap part #6 and glue and wrap around the tappered body from the previous steps. Use rubber bands or painters to hold it while the glue sets up. Do not make the rubber bands too tight. It may mis-shapen the wrap #6.


Front Entrance

7. The front wall part #3 is a simple build. Just paint it your desired color. Add pre-painted 1/16”x1/16” stripwood (GREEN tip) to the two long vertical sides. Trim or file them to match the roof angle and the bottom edge.

8. The two side walls parts # 4,5 have a slight angle that will match the tower angle. Just be sure to glue the wide side on top. Yon may have to file the very top edge of the side walls to match the roof angle.
9. The tower has a square cut into it for the window. You will want to attach the front entrance assembly centered under the square. To keep the sidewall at the proper width, there are 2 vertical lines engraved equal distance from the square window.

10. Cut the length of the 1/16”x1/16” stripwood (GREEN tip) to fit the space at the peak of the roof to the tower wall. This will support the roof sheets part #7,8. The curved edge will fit into the tower.

Wall Shingles

Admittedly, this is the challenging part of the kit construction. With the curved and tapered body of the tower, it makes wrapping the strips of the shingle “odd”. We like to use thin double stick tape to attach shingles, but with this kit we also used a tacky glue to hold the strips in place. If you take your time, use the scribed lines on the walls as guides, you can achieve straight spaced shingles.

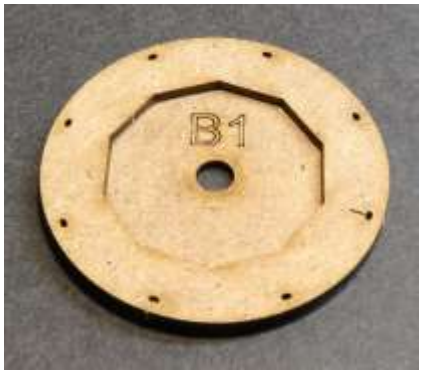
On our website is a Mine Mount Minute how-to on painting convincing shingle colors, easily and quickly. We chose a white, light off white, and a light gray to get the colors you see on our lighthouse

11. Starting at the bottom, apply the first strip of shingles on the side walls of the entrance and around the tower body. All the following strips will overlap the earlier row by half.

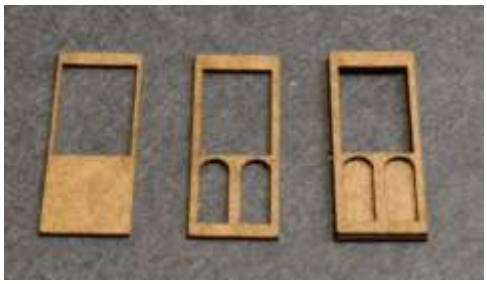
*Take your time with the shingle install. The round and tapered body of the lighthouse makes it extra challenging to maintain consistent spacing of the rows.

The Balcony

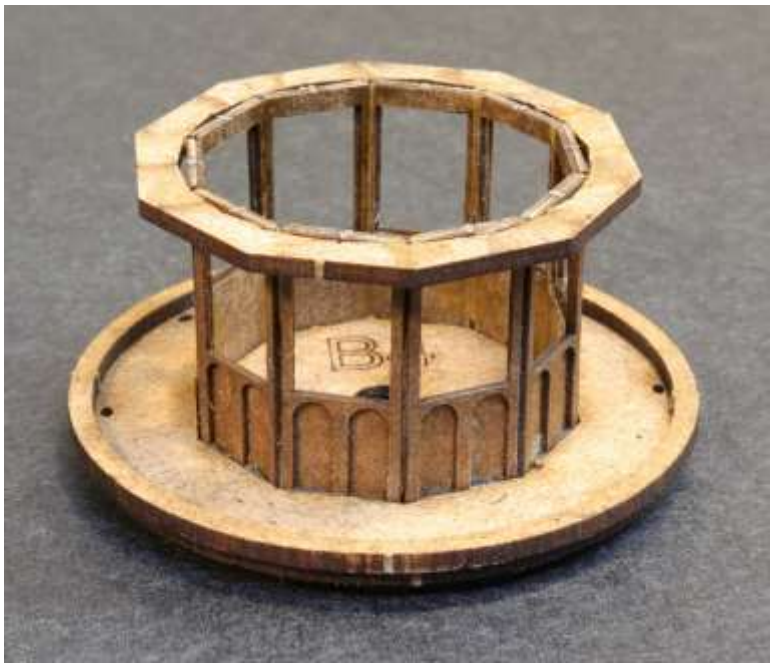
12. The balcony base is created by stacking up a few pieces. Start with part #B1 and glue #B2 centered on top. Then the thin rim #B3 is glued on top of B2. Be careful centering B3 because B2 has small holes in it that will eventually hold the railing. Do not get any adhesive in those holes.



13. Now the lantern panel windows are created with parts #9,10. The arched #9 is glued on top of #10. There are ten sets of these panels. DO NOT add the clear acetate in the windows until a later step. On at least five of the panels, file the backsides long edges to a slight bevel. This allows the edges to join tighter. We suggest you dry fit them all in to see how they line up.



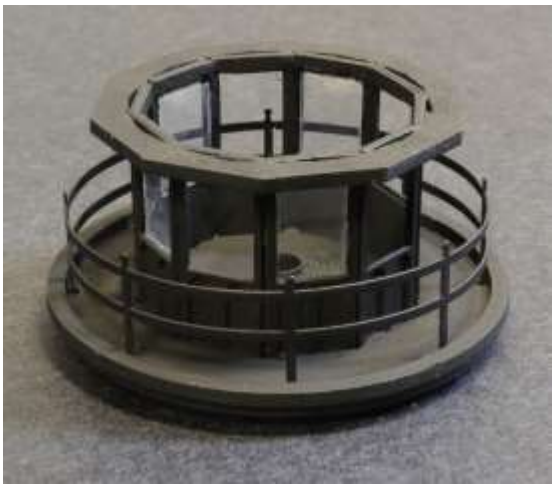
14. Use five of the panels to help center the next balcony part #B4. The kit also comes with a black straw that is used to align the pieces as well. Cut the straw to 3/8 - 1/2" long and insert it into the hole in B1. It DOES NOT get glued in the hole yet. The five panels are glued in every other slot between B2 and B4.
15. Now add the five remaining panels with the beveled back edges in between. Slight adjustments will need to be made to get them even all around.
16. Before the glue dries on the ten window panels, add the roof support ring #T1 around the top edge of the panels. This holds everything together and will be an attachment point for the roof later.



17. Railing part #11 will be installed now. To pre-curve the railing around a round bottle will make this process easier. We lightly sprayed it with Rubbing alcohol and quickly wrapped it around the bottle to dry. The alcohol evaporates fast, so it doesn't damage the delicate railing.

18. Now you can start the end of the railing in the larger hole slot in #B2. It has a small line engraved next to it for better visibility. Each vertical pole inserts into the adjacent hole, until it wraps around the balcony. The last pole will be inserted into the same slot as the first.

*We suggest painting this balcony assembly now your desired color. We used a flat black spray. Do this prior to inserting the window acetate



The Foundation

The foundation is made from a 3d resin print. Wash off the piece with warm water and dish soap. We suggest priming the base with Rustoleum 2X white flat primer. Then you can paint the stone texture you desired colors.

After the paint dries, clear coat the base with a matte finish transparent prior to adding your mortar material. This keeps the stone paint color from bleeding into the mortar.

Glue the base onto the bottom of the main body.

Trim & Window & Door

19. Use the 1/32” x 3/32” basswood strip (PURPLE tip) to add trim under the roof overhangs and across the top of the door opening.
20. The window and door are by Tichy Train Group. Just like any plastic kit, the plastic doors need to be washed off with mild dish detergent and warm water. Paint them your desired color. There is a sheet of clear acetate that has glazing for doors and windows. Just cut it to the correct sizes.
21. You may have to trim the shingles around the upper window opening to fit the frame.
22. Now you can add glazing to the 10 balcony windows.

Fresnel Lens & Roof

The lighthouse can be lit with a flasher unit. Now is the last chance you have to add it into the lens before it is closed up.

23. Glue the Fresnel lens into the center of the enclosed balcony.
24. Paint the resin roof. Cut the small 1/32” brass rod to ½” long and glue into the hole in the top of the roof ball.
25. Glue the roof assembly onto the top of the balcony assembly. The edge will slightly overhang #T1from step 16.

Stairs

26. The stairs are made from parts #12,13. Glue the stair treads onto the three stair risers. Once the model is installed in it’s final location, you can attach the stair assembly just below the doorway.

The model will be complete at this point. Add as many details as you would like. Create a wonderful scene on your model railroad or diorama. We want to thank you for enjoying the building of **Echo Point Lighthouse.**

. Please share your finished build by sending good quality pictures to info@MineMountModels.com and we will post them in the “Customer Build Gallery” section of our website. Also, checkout our other products by visiting **www.MineMountModels.com** .

Thank you,
Ron & Michelle