



1-866-88RAILS

MAHOGANY AMBIENCE RAIL® INSTALLATION GUIDE

Each Mahogany Ambience Rail® Kit includes the following:

- (1) Ambience lighted Mahogany top rail with fillet (3', 4', 5', 6', 7', 8', 9')
- (1) 2 x 3.5 (bottom rail) 5', 6', 7', 8' with aluminum stiffener (3' & 4' lengths DO NOT include aluminum stiffener)
- (2) 2 x 3.5 Rail Brackets
- (10) Stainless Steel Screws with plugs for rail brackets
- 1 ½" x 1 ½" x 32" Balusters (Square or Colonial)
- (1) Light track including wire, sockets and bulbs
- (2) Aluminum Brackets with 5/8" Plugs
- (2) Silicone filled connectors

IMPORTANT: 3', 4', 5', 6', 7', 8' & 9' Rail lengths are **not interchangeable!** Top and bottom rails of respected lengths MUST be used together in order to have correct spacing between balusters!

*****Mahogany must be treated before exposure to weather conditions with a preservative. Check with your local supplier for recommendations*****

Installation Guide:

1) Position the Mahogany top rail and the bottom rail between existing posts. Make sure that the holes of the top and bottom rail line up correctly and also that you have equal spacing of baluster holes next to posts. Drill a hole through the bottom of Bottom Rail and also through the webbing of Bottom Rail to allow water to drain.

TO TRIM THE RAIL SECTIONS TO SHORTER LENGTHS:

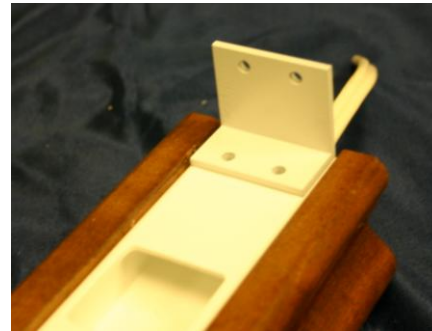
1. **Mark where your rails need to be cut.** Remove the fillet strip by removing the screws, which hold it in place.



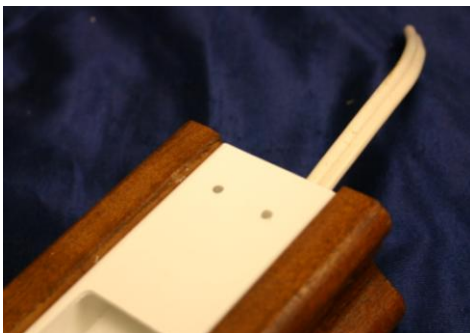
2. Pull wire back (out of the track) passed your cut marks. (Light sockets can be easily removed for additional trimming). Cut Mahogany rail and bottom rail to desired length. Bottom rail should be cut an extra 1/4" on each end to allow expansion and adjustment of the balusters.
3. Push wire back down onto the track of the Mahogany top rail. Then, put the fillet strip into your cut mahogany in order to **LINE UP the light sockets with the light holes** and mark where the fillet strip needs to be cut. Cut the fillet strip an extra 1/8" on each side to make room for the aluminum brackets.



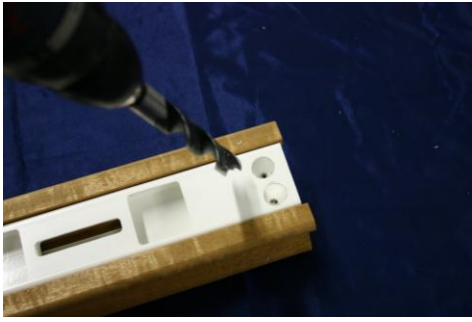
- 2) Center the aluminum bracket on the end of the fillet strip and mark the location of the holes. Make sure you position the aluminum bracket CORRECTLY: **SHORTER SIDE OF THE BRACKET GOES INTO THE FILLET AND LONGER SIDE OF THE BRACKET WILL GO AGAINST THE POST!**



- 3) Using 1/8" drill bit, make your pilot holes on the top of the fillet strip ONLY. Position the aluminum bracket **INSIDE** the fillet strip so it is flush with the end of your Mahogany rail. Only then drill through the holes of the bracket all the way into the Mahogany.



- 4) Take 5/8" drill bit to enlarge your pilot holes. Attach the aluminum brackets on each end of the fillet strip by using 1-1/4" screws, which will also secure the fillet strip to the Mahogany rail.



- 5) 5/8" plugs provided may be used to cover the holes.
- 6) Mount the bottom rail at desired height above deck. Level and fasten into place.



- 7) Place first and last baluster (the two balusters closest to the posts) in their respective holes in bottom rail. Take the Mahogany Top Rail and place in position using the two balusters as height guides. **(DO NOT FASTEN THE RAIL TO THE POST AT THIS TIME!)**
STAIR RAIL KITS – make sure to trim top of baluster to angle/degree of stair pitch to fit into fillet strip.



- 8) Mark where the wire hole should be on the post and drill 1" hole **IN THE CENTER OF THE POST** for later wire installation.
- 9) Insert all balusters in their respective holes.



- 10) Install Mahogany top rail, **making sure to feed low voltage wire through pre-drilled holes in the posts.** Align, level and plumb the balusters, then fasten the aluminum brackets to posts using 1-3/4" Stainless Steel Screws.
- 11) After all the rails are in place, connect the wires together inside each post cover using the silicone filled connectors provided.
- 12) WHEN CONNECTING AMBIENCE RAIL TO YOUR ELECTRICAL SERVICE A LICENSED ELECTRICIAN IS REQUIRED!!**