LEVEL RAIL INSTRUCTIONS

1. Determine the desired rail placement and snap a line on the deck to ensure all posts are aligned properly (Fig. 1). Ensure sufficient mounting structure exists in areas to receive posts. Install blocking where necessary. Plumb the posts, using the shims provided, and secure all posts in place (Fig. 2).

Note: Post kits include leveling shims and rail panel attachment hardware, post mounting hardware sold separately.

Tip: Shims can be easily cut using a wood chisel.

Tip: Post flanges are manufactured to accept 3/8" diameter fasteners, be sure to use the appropriate fasteners for your installation. Check local building codes for load requirements.

2. Place rail panel across the opening and adjust to ensure equal baluster spacing at each end (Figs. 3 & 4). Mark each end of the rail panel 1/4" from post face to allow for bracket and/or weld clearance (Fig. 5).

Before cutting the panel to size, protect the rail surface from marring while cutting (do not cut rail on deck surface as metal filings may rust deck surface). Cut at your mark. Repeat for the remaining 3 ends (Fig. 6).
LEVEL RAIL INSTRUCTIONS

3. Test fit the rail panel. Once a proper fit is ensured all cuts must be painted prior to final installation (Fig. 7).

Set the panel in place. Pre-drill the screw holes using a 5/32” metal drill bit. Secure using the supplied self-tapping panel attachment screws through the pre-drilled bracket holes (Fig. 8) (2 screws per bracket).

>Note: Rail ends may be painted with any zinc rich primer or paint. For SATIN BLACK touch-ups, we recommend Rust-Oleum®, Satin Canyon Black, Color Code 249844. For BRONZE touch-ups, we recommend Rust-Oleum®, Hammered Brown, Color Code 210880.

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4. Place a bracket cover over the rail next to the bracket and slide the cover toward the post until it snaps into place (Fig. 9).

5. Assemble the 2 piece post trim cover by inserting one fastener in each trim half (Fig. 10). Snap these in place (Fig. 11) concealing the post flange.
1. Place a plank on the stair noses spanning from post to post. Place the stair panel on the plank across the opening and adjust for plumb ensuring equal baluster spacing at each end. Clamp the panel in place at this location (Fig. 12).

Note: Use the proper plank thickness to ensure the proper finished rail height. Check local building codes for stair rail height requirements.

2. Assemble a stair mounting bracket. Hold the bracket (angled end) against the post face and in line with your stair panel, mark the rail at these locations. Repeat this for all 4 rail ends. Be sure to label the top end of the top rail before removing it (Fig. 13).

3. Add 7/8” (toward rail end or post) to the marks made on the rail panel in step 2 (Fig. 14) and cut panel at these marks (Fig. 15).
4. Insert the cut panel ends into the stair brackets ensuring all are properly oriented. Test the panel to ensure proper fit. Mark the position of the bracket on all 4 posts (Fig. 16).

Once proper fit is ensured remove the brackets from the rail panel and paint all cuts (Fig. 17).

Reinsert the painted panel ends into the brackets and pre-drill the screw holes using a 5/32” metal drill bit. Secure using the supplied self-tapping panel attachment screws through the pre-drilled bracket holes (Fig. 18).

5. Separate the two bracket halves at all rail ends. Install the post half of each mounting bracket at the marks made in step 3 (Fig. 19) ensuring all brackets are properly oriented. Now set the panel back into place and re-attach the bracket halves (Fig. 20).

6. Assemble the 2 piece post trim cover by inserting one fastener in each trim half (Fig. 21). Snap these in place (Fig. 22) concealing the post flange.
LEVEL & ANGLE BRACKET INSTRUCTIONS

1. Establish the placement of the bottom of the level panel based on your desired rail height. Mark a line on your mounting surface at this height plus 1 1/8" to represent the top of the mounting bracket (Fig. 23).

Make an intersecting mark representing the desired center line of your installed rail panel. Set the bracket in place orienting the notch in the top of the bracket to the center mark and attach using 2 fasteners appropriate for the material to which you are installing the bracket (Fig. 24).

2. Mark the post 34 1/8" (34 1/8" for 34" high panels or 40 1/8" for 40" high panels) from the bottom bracket attached in Step 1 (Figs. 25 & 26).

Make an intersecting mark representing the desired center line of your installed rail panel (this mark is the top of the bracket). Attach the top bracket as you did the bottom in step 1.

Refer to Step 2 in the Designers’ Image Level Rail Panel instructions to complete your installation from this point.

1. The angle bracket is the same bracket as the stair bracket described above. Angle mounting varies greatly on each installation.

Test fit your rail panels and cut to length for your specific installation. Follow the general methods described above to complete your angle installation (Figs. 27 & 28).
WARRANTY

This warranty is effective for products purchased after January 1, 2017.
This warranty can be found online at www.BarretteOutdoorLiving.com/warranty.
In case of a warranty claim, call (877) 420-7245.

CARE & MAINTENANCE

While UltraDeck products are low maintenance, like any outdoor product, care must be taken to ensure the railing's longevity. It is essential that the following instructions be followed to prevent damage to the product or personal injury:

1. Regularly, at LEAST once a year, inspect and tighten all fasteners, as fasteners may loosen over time. Note that some surface rust may occur on fasteners. This is normal and not subject to a warranty claim.

2. It is normal that the powder coat weathers, and the surface may appear chalk-like. To bring back the railing's finish, clean with only non-abrasive soap or detergent and water.

3. We recommend general cleaning of the railing at least twice a year. Clean any crevices, weld points, and other areas where liquid may become stagnant and cause corrosion or where pollutants may build up. Remove all sap, bugs, tar, and other dirt and soil from the railing as soon as possible. Heat /sunlight may make such things difficult to remove from the railing surface and may cause further surface damage.

4. Do not apply industrial strength cleaners, cleaners with bleach, or any harsh chemicals to the railing as this may discolor and damage the railing's finish. Never use steel wool or rough materials to clean the railing. If you are unsure if a particular cleaning agent should not be used, test in an inconspicuous area first.

5. Periodically inspect the railing for chips, scratches, or other damage to the surface. If necessary, touch-up with a zinc rich paint. Rail ends may be painted with any zinc rich primer or paint. For SATIN BLACK touch-ups, we recommend Rust-Oleum®, Satin Canyon Black, Color Code 249844 (located in Wallcoverings Department under item number 557-4860). For BRONZE touch-ups, we recommend Rust-Oleum®, Hammered Brown, Color Code 210880 (located in Wallcoverings Department under item number 557-5646).

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