



### V2 Lens Ring for Canon EF 8-15mm f/4 L USM

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This lens ring consists of a metal outer ring and a plastic inner ring that fits the lens barrel precisely. The inner ring allows exact mounting of the lens, which protects it from stress by providing greater area of contact.

V2 lens ring improves its functionality by adding cut out windows to outer and inner rings, allowing focus distance to be read in both landscape and portrait orientations.

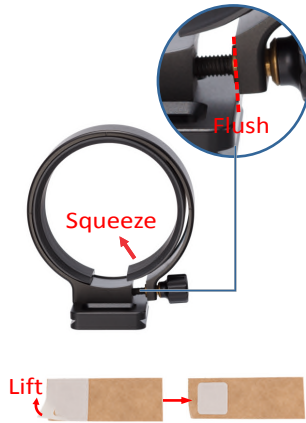
#### Lens Ring Components:

- LR2W outer ring
- Inner ring of Canon EF 8-15mm f/4 L USM V2
- LRP45X or LRP45X2 lens ring plate
- 2 each double sided tapes with long backing: 6x18mm, 12x18mm, 18x18mm

Note that when LRP45X2 is used, 4 mounting screws should be installed as shown. This will ensure same NPP settings as LRP45X.



### Installing Lens Ring to Lens



Loosen the knob on outer ring until the edge of opening is flush with lens ring plate. Don't loosen further. It will only make installation more difficult and can potentially damage the thread if knob is completely unscrewed. See Page 2 for trouble shooting.

Squeeze to take out the inner ring. Check label on inner ring to confirm with lens in use and direction of mounting. The arrow should point to the front of lens.



Don't Tape on Focus Window or any Printing

Skip the procedures of adhering the inner ring if you do not plan to rotate the outer ring after installation. We suggest adhering the inner ring using the double sided tape provided. This eases installation of the outer ring, prevents movement of the inner ring during outer ring rotation, and assures the inner ring is always in the proper position. Lift the white backing around the die-cut tapes, and attach the small die-cut to right of the AF/MF switch. Affix as shown, the medium die-cut to the left and large die-cut to the right of the Limit switch.



Stick the brown backings back to the tapes with slippery side facing the tape and die cut area away. Bend to crimp the backing, uncovering half of the tape.

Align the opening of the inner ring to AF/MF switch. Stretch the ring over the Limit switch. Position the cut out window evenly about the Limit switch, which the ring should be anchored against. Carefully pull off the brown backing next to the Limit switch. Check the ring is rested against the anchor point and is symmetrical around the barrel, otherwise reposition it properly. Press the ring at the tape firmly. Remove the tapes next to AF/MF switch. Gradually press the inner ring around the barrel, from the Limit switch to the opening.



Align base of outer ring to opening of inner ring. Insert outer ring from the back of lens. Loosen lens ring knob slightly if necessary. Rotate and slide until positioned onto inner ring. Tighten securely.

Mount lens ring to quick release clamp of pano head in use. Rotate to align windows of outer and inner rings with camera in landscape or portrait orientation. Slide the lens ring plate to NPP setting and tighten the clamp securely.

### Tips and Tricks

#### Setting Accurate Roll Angle of Camera

Add Reference Mark



There is no feature on lens to aid setting accurate roll angle of camera apart from 0° (landscape) and 90° (portrait). A piece of label can be added near the Limit switch as a reference mark. Alternatively, rotate the zoom ring to align a nearest ridge on the rubber ring to the reference line. Align the 90° notch to the reference line with the help of rubber ridge. Tighten the knob securely. Mount lens to camera.

#### Using Different Roll Angle in Different Situations



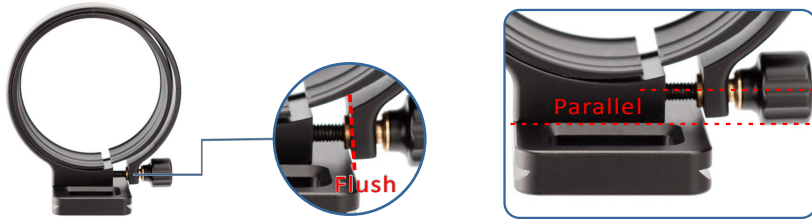
A unique feature of the lens ring is its ability to roll the camera into different angles quickly. Experts in the field use different roll angles and different focal length in different situations. A roll angle of about 60° (sensor diagonal aligned vertically) can be used to take advantage of diagonal angle of view over horizontal and vertical to increase overlap, use a longer focal length for higher resolution, or reduce number of images to be taken. This is important in multi-camera rig for capturing instantaneous action panoramas or panoramic videos, where fewer cameras equal substantial cost saving. A camera can also be rotated to landscape orientation temporarily to take extra shots to capture large moving objects such as waves, trains, busy traffic etc. The larger horizontal angle of view help to freeze the scene and reduce stitch issue due to movement across multiple image shots. The area near nadir and zenith usually contains static objects and is easy to stitch.

## Accessing Switches on the lens



All switches on the lens can be accessed in this V2 lens ring. Just loosen the knob, rotate to align the cut out window to the switch. Make the change and rotate the ring back to the desired roll angle position.

## Outer Ring Knob Completely Unscrewed



The outer ring knob should not be unscrewed completely. If become completely unscrewed, the thread inside the socket can become damaged by a screw that is canted or skewed while attempting to re-tighten. Should the knob completely unscrews, ensure the knob screw is parallel to the lens ring plate again, then tighten the knob slowly. If strong resistance is felt, loosen it and try again. **DO NOT FORCE THREAD THE SCREW.** If you are unable to tighten the knob, please contact customer support for assistance.