

## QUICK START TUTORIAL

### Quick Start Tutorial

#### 2.2.1 Fix Lens Distortion

1. With your image open in Photoshop, open Lens Doc under Filters --> Andromeda --> Lens Doc.

2. Make sure the Novice Mode Radio Button at the bottom right is selected.

3. Under Step 1, choose FIX DISTORTION from the right column, and GENERIC LENS from the left column.

4. Under Step 2, click on the Yellow Guide Button (with 3 yellow squares) to place Straightening Guide Targets in the Preview Window, if they are not already present. If no "X" is present on the Green Guide Button, turn the button off by clicking on it to remove the Green Targets.

5. Align the three Yellow Targets along a curved line that should be straight. Choose a line near the edge of the image, if possible and don't space the targets too close. Drag the targets to the desired location.

After you have reached the approximate point of placement, you can refine the adjustment by pressing the Keyboard CONTROL Key and observe the movement of the target that appears in the Magnification Window. Release the Mouse Button before releasing the Control Key. You can also fine tune by moving the mouse to the Magnification Window and dragging the small target there.

6. Click the CORRECT button.

7. If the results look good, click the Check Button at the lower right corner of the User Interface to apply the correction or continue to another correction type.

8. In most cases, a better result will be obtained if a second set of targets is used elsewhere in the image. Click on the Green Straightening Guide Button and place these three additional targets on a single line anywhere from the edge to about half way in between the edge and the center of the image.

Note that either set of guides can be on a line that is horizontal, vertical, or at an angle. Lines going toward the center, like spokes on a bike, won't work. Now click the CORRECT button again.

9. If the results are still not what you want, it is usually because the targets are not adequately aligned or a very wide angle lens with unique characteristics is being used. Do one of the following:

If you are using a wide angle lens, switch to Specific Lens in Step 1. From the pull-down menu, select "Alternate Barrelng". Click on the CORRECT Button again.

Start with Alternate Barrelng or any zoom lens under Specific Lens. Hold down the Control key while you click the CORRECT button. This searches all Specific Lenses for a best fit.

If that doesn't work, switch to Expert Mode (bottom right). Choose Generic Lens under Step 1. With moving targets, click the CORRECT Button to achieve an approximate correction. Now, slowly move the Less/More Slider until the desired correction appears in the Preview Window.

If necessary, the Center/Edge can also be adjusted. When the image correction becomes acceptable, click on the Check Mark or select another correction type.

For further details, refer to the complete instructions and related tutorials in this manual.

### 2.2.2 Fix Perspective

1. Make sure the Novice Mode Radio Button at the bottom right is selected.

2. Under Step 1, choose FIX PERSPECTIVE from the right column.

3. Two Parallel Line Guides with 2 targets in each set are present in the Preview Window. These should be positioned along two elements in your image that should be parallel. You can align either two vertical elements or two horizontal elements. Position the targets as described earlier by clicking and dragging.

4. Click on the MAKE PARALLEL button. If the results are not quite what you want, you can reset this correction by clicking the REVERT button and re-positioning the guides.

5. If the automatic scaling function has cropped off important parts of the image, click on Expert Mode at the bottom. Then click on the Auto Scale Button. Finally, move the Scale Slider to the left until the parts of the image that you wish to retrieve once again appear within the perimeter of the image area. You will have to crop the final image in Photoshop. Please refer to section 5.5 Perspective Correction item 5.

6. If the results are acceptable, you can either click the Check Mark at the lower right corner of the User Interface to apply the correction or proceed to Fix Rotation.

### 2.2.3 Fix Rotation

1. Make sure the Novice Mode Radio Button at the bottom right is selected.

2. Under Step 1, choose FIX ROTATION from the right column.

3. The targets in the Yellow Rotation Guide should be positioned along an important image element that should be exactly horizontal or vertical. Examples are the horizon line or the side of a building.

4. Click on either the ALIGN VERTICAL or the ALIGN HORIZONTAL Button. Again, if the results are not quite what you want, you can reset this axis adjustment by clicking the REVERT button and re-positioning the guides.

5. If the results look good, you can either click the Check Mark at the lower right corner of the User Interface to apply the alignment or revise one of the prior correction types.

**IMPORTANT:** Sometimes applying one correction type (for example FIX PERSPECTIVE) will hide the straightening guides when another correction type needs adjustment. In this case, any of the corrections can be reverted by clicking on the REVERT button, re-adjusting guides and re-applying each correction.

The color of the correction type radio buttons (right column of STEP 1) serves as a reminder of which corrections have actually been applied. Red indicates that the correction has not been made, black indicates that it has. The REVERT Button will return you to the last corrected state (of the current correction type) when clicked a second time.