

## gps—photo link Quick Reference Guide

### **Ricoh 500SE Camera Quick Start Guide**

Make sure your battery is charged before taking out the camera. For optimal performance, use the included rechargeable battery, NOT AA batteries. The battery label should face the front of the camera upon insertion. Check your work! After photos are taken, press the Review Button on the camera to preview them. The lat/lon will be displayed - check the coordinates and make sure it is working the way you expect. If the display says "3d Diff" it means it has the most accurate position it can achieve (3 meter with WAAS).

**GPS:** Turn the dial on top of the camera to the camera icon. Press the green power button. If you have a GPS attached make sure the green light comes on. The first time you use your GPS you will need to initialize it. To initialize your GPS, turn the camera on and take it outside. The GPS will search for its location and beep when it is done. After this first initialization, a fix will be obtained relatively quickly and be displayed.

Save time by keeping a continuous GPS fix. To do this, press the round "Menu/OK" button. Scroll to "Setup" tab then tab down to *Auto Power Off*, and adjust the function to 30 minutes or off.

The Ricoh 500SE supports a GPS lock feature. To obtain the coordinates of the object being photographed rather than the camera itself:  
Setup the GPS lock feature, by first pressing the round "Menu/OK" button. Scroll to "EXP SET" tab then tab down to "GPS Lock".

Adjust the function to On

Press "Menu/Ok" button to store setup.

To use the GPS lock feature:

Press the *left arrow* button on the camera and the current GPS position will lock.

Walk back and take photos. The GPS coordinates stored will be of the position of the object, not the camera.

Remember to press the *left arrow* button again to unlock the GPS position.

### **Collecting heading information**

If you have a Compass/GPS module attached to your Ricoh 500SE the heading will automatically be linked to your photo. Remember to calibrate the compass before use to ensure accuracy. Instructions are available at [www.geospatialexperts.com/Support.php](http://www.geospatialexperts.com/Support.php). Allow the position to settle before taking the photo.

To determine heading using a Ricoh 500SE with GPS, without a Compass, GPS-Photo Link calculates heading assuming a straight line from the last several points. Therefore, to calculate heading, walk toward the object in a straight line for approximately 10 feet, then stop and take the photo.

If you know the direction you are facing when you take the photo, you may enter this data into the Ricoh Camera's memo fields instead. Make sure to indicate on the method you used on the Heading/Distance tab in GPS-Photo Link (Output Options section). See help file at [www.geospatialexperts.com/Support.php](http://www.geospatialexperts.com/Support.php)