

## **Recommendations for Set-up of the Trittech Research, Inc. SMT2 Zoom Stereomicroscope**

Thanks for buying your microscope from Trittech Research. We think you'll be as impressed by the optics as you were by the price. If you have any questions or problems, just give us a call.

To set up for standard genetics microscopy:

- Turn the eyepiece head 180° by loosening the small set-screw on the main body, and also loosening the metal enclosure that houses the objectives. Turn the head around, so that the eyepieces face toward the open side of the base. Then, re-tighten the objective housing and set screw.
- Make sure the frosted disk in the base is frosted-side-down.
- Choose and insert eyepieces into eyepiece head. 10x gives the brightest and most perfect image; 20x will enlarge the image but have little effect on the resolution. Therefore, we recommend the 10x eyepieces unless you need to enlarge things more than is possible using the other microscope features.
- To increase the magnification and *improve* the resolution, at the expense of working distance, attach the 2x objective modifier lens to the bottom of the objective by screwing it in place.
- Magnification is adjusted via the numbered ring just under the eyepiece head. Start with a low magnification to find and center your specimen. Increase the magnification and re-focus as necessary.