

## Vunderbar Instructions

### Parts:

- A. Base w/legs and level
- B. Low Rail, thin with 2 knobs
- C. Gold Stabilizer
- D. Stabilizer Lock
- E. Low Tube, no knobs or grips or anything
- F. High Tube, no knobs or grips or anything
- G. Tube Connector Lock
- H. Photo Bar Arm Hinge
- I. Photo Bar Arm 1, right reading rule
- J. Photo Bar Arm 2, left reading rule
- K. Dual Jaw Hand Clip with a Telescoping Pointer

### Assembly Steps:

1. Place Base (A) on flat ground. Fan out the two swing legs so that the three legs are equal distant apart, approximately 120°. Center the level by turning the jackscrews at the end of each leg, which controls the height of the footpads.
2. Slide the Low Rail (B) into the Base (A). The upper portion of the Low Rail (B) has the two tightening screws. Use the tightening screw on the Base (A), near the level, to keep the Low Rail (B) firmly in place.
3. Attach the Gold Stabilizer (C) to the stationary leg of the Base (A).
4. Slide Stabilizer Lock (D) down the Low Rail (B); attach this piece to the other end of the Gold Stabilizer (C).
5. Slide Low Tube (E) onto Low Rail (B). Tighten the two screws on the upper portion of the Low Rail (B) to keep Low Tube (E) firmly in place.
6. Slide Tube Connector Lock (G) onto the top of the Low Tube (E). Tighten the bottom two screws on the Tube Connector Lock (G) and leave the top two screws sticking out above the Low Tube (E).
7. Slide the High Tube (F) into the top of the Tube Connector Lock (G). Tighten the two upper screws on Tube Connector Lock (G) so that the High Tube (F) stays in place. High Tube (F) should fit flush with Low Tube (E) below it.
8. Fit the Photo Bar Arm Hinge (H) onto the unit by sliding it down the T-Track of the High Tube (F). Tighten the two circular screws to fix Photo Bar Arm Hinge (H) in place onto the High Tube (F).
9. Notice the Photo Bar Arm Hinge (H) has two 3-pronged tightening screws. One of these allows the Photo Bar Arm Hinge (H) to pivot laterally. The other screw loosens and tightens a piece of metal that is the Arm Support Bracket. This is a round piece with 2 flat ends coming off of it creating a 90° angle. Position this piece so that one of the flat ends points up parallel to the High Tube (F) and the other flat end sticks out perpendicular to the High Tube (F).
10. Attach Photo Bar Arms 1 (I) and Photo Bar Arm 2 (J) to the Photo Bar Arm Hinge (H). Position these so that the Zero Line is closest to the Photo Bar Arm Hinge (H) and that the ruler graphics face inwards towards each other at the 90° angle. The Optirectilinear® graphics (the black and white bar graphics) face the outside. Tighten the screws near the Zero Lines to hold these arms in place.

- 11.** Photo Bar Arm 1 (I) and Photo Bar Arm 2 (J) can extend, revealing more ruler graphics, and increasing the frame of measurement.
- 12.** Manipulate the Photo Bar Arm Hinge (H) to frame the subject between Photo Bar Arm 1 (I) and Photo Bar Arm 2 (J). Check the Base (A) and adjust the jackscrews so that the level is center.
- 13.** The Vunderbar™ unit comes with a Dual Jaw Hand Clip with a Telescoping Pointer (K). Clip this onto an available edge and extend the pointer to target specific points of interest.

Now fully assembled, you can adjust the Vunderbar™ to suit your needs. Use the different locking screws to slide parts up and down and adjust the unit for height. For a smaller and lighter-weight assembly, you can disregard attaching the Tube Connector Lock (G) and the High Tube (F) (Steps 5 and 6) and attach the Photo Bar Arm Hinge (H) directly on the Low Tube (E). The Vunderbar™ was designed to be to be durable and multi-functional, adjust heights and lengths to accommodate all of your needs.