

INSTALLATION & SIGHT IN  
INSTRUCTIONS FOR OPTIMIZER ULTRA (DIAL SIGHT)

CAREFULLY READ THE FOLLOWING INSTRUCTIONS COMPLETELY BEFORE MOUNTING OR SIGHTING IN YOUR BOW!

Mounting the sight on your bow:

1. Using the two 10/24 cap screws, mount the sight to your bow riser. Choose the two mounting holes that best fit your riser and shooting style.
2. Rotate the adjusting wheel to place the slide in the HIGHEST POSSIBLE POSITION. Mount the sighting aperture (scope) in the highest set of holes that allows you to sight in at 20 yards. Start at the highest set of holes and move down one hole at a time if necessary. This is extremely important in order to obtain the maximum amount of arrow clearance under the scope and to achieve the maximum vertical potential of your bow.

Sighting in:

1. WINDAGE (left and right) adjustment
  - a. At close range, shoot several arrows to determine the direction of adjustment required.
  - b. If your arrows group to the LEFT of the target:
    1. Loosen the lock knob (rotate counter clockwise)
    2. Rotate the clicker knob clockwise for RIGHT HANDED bow.  
Rotate the clicker knob counter clockwise for LEFT HANDED bow.
  - c. If your arrows group to the RIGHT of the target
    1. Loosen the lock knob and rotate counter clockwise.
    2. Rotate the clicker knob counter clockwise for RIGHT HANDED bow.  
Rotate the clicker knob clockwise for LEFT HANDED bow.
  - d. One click equals 1/8 inch at 20 yards.
  - e. Always relock the lock knob when shooting (rotate clockwise).

ELEVATION ADJUSTMENT ( Selecting the correct yardage tape)

Your Optimizer Ultra comes complete with 52 different computer designed yardage tapes. They are numbered on the top from 16 (extremely fast bow) to 67 (moderately slow bow) and are accurate at all ranges (20-60 yards) within ½ inch.

THE PERFERRED MOST ACCURATE system for choosing the correct yardage tape is by sighting in at 20 yards and 60 yards. If you are able to sight in at 20 and 60 yards use the instructions on the back side of this page. If you are UNABLE to sight in at 20 and 60 yards, use the optional 20/40 yard system shown on the green instruction sheet.

## SELECTING A YARDAGE TAPE USING 20 YARD AND 60 YARD SETTINGS

1. In order to select the proper tape you must have a safe range with a measured 20 yards and a measured 60 yards.
2. Your Optimizer Ultra comes with a 0-80 sight in tape installed on the dial. Extras are included in the kit. The numbers 0-80 are NOT yardage markers. They are merely a means of measuring and selecting the proper tape.
3. Sight in your bow at 20 yards. Move the sight pin up and down by rotating the dial. RIGHT HAND BOW, clockwise to raise your arrow, counter clockwise to lower your arrow.  
LEFT HAND BOW, counter clockwise to raise, clockwise to lower your arrow.
4. Once you have an extremely accurate sight in at 20 yards, mark and make note of the number on the sight in tape nearest the indicator needle. Example (Number 12)
5. Move out to a measured 60 yards. RIGHT HANDED SHOOTER adjust the sighting aperture downward by rotating the dial clockwise until you have achieved an accurate sighting at 60 yards. LEFT HANDED SHOOTER, adjust the sighting aperture counter clockwise. Caution: The accuracy of the entire shooting system depends on an extremely accurate sighting at both 20 and 60 yards.
6. Once you have an extremely accurate sight in at 60 yards, mark and make note of the number on the sight tape nearest the indicator. Example (number 52) Lock the dial in place at 60 yards by rotating the knurled lock knob located inside the dial.
7. Subtract the 20 yard setting (small number, example 12) from the 60 yard setting (large number, example 52). Example:  $52-12=40$ .
8. The yardage tapes are numbered from 16 to 67. Select the tape that matches the number between your 60 yard setting (large number) and your 20 yard setting (small number) Example:  $52-12=40$ .  
BIG NUMBER MINUS LITTLE NUMBER EQUALS CORRECT TAPE NUMBER.
9. Carefully remove the correct tape from the booklet. It is not necessary to remove the 0-80 sight in tape. Locate the color coded yardage tape directly over the top of the sight in tape by placing the 60 yard marker (hot pink) directly under the needle that you have locked in at 60 yards. Carefully roll the tape in both directions. The 20 yard (hot green) marker will fall exactly where you marked your 20 yard setting on the 0-80 tape. All the yardages between 20 and 60 yards are now in place.
10. Remove one of the Mylar clear decals from the set up kit and tie the two ends of the yardage tape together. This will prevent the ends of the yardage tape from becoming loose.

### FINE TUNING THE DIAL

Fine adjustments to the dial may be required to correct for slight changes in your shooting style, peep sight movement, or arrow rest adjustment. To loosen dial, first lock the dial and arm securely in place by tightening the knurled lock knob. Insert a 7/64 hex wrench in the hole in the OPTIMIZER decal in the center of the dial. While grasping the dial firmly, rotate the wrench counter clockwise to loosen the dial. Rotate the dial to the desired position and relock the dial by rotating the wrench clockwise.