



ORACLE™ BOWSIGHT
Manual



Burris

FIND WHAT MATTERS

BURRISOPTICS.COM

ORACLE™ BOWSIGHT USER'S GUIDE

The Oracle Rangefinder bow sight instantly provides exact distance to target and exact aiming point. This innovative tool allows the bowhunter to eliminate guessing distance. It's built-in rangefinder gives exact distance to target while at full draw. The Oracle eliminates aiming between pins by instantly calculating and displaying the exact aiming point for any distance and shot angle. It eliminates aiming with the wrong pin. Oracle gives you the confidence to make your shot of a lifetime.

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OPERATION

TURNING THE SIGHT ON.

Simply press the activation button to turn on the sight.

RANGING YOUR TARGET

Aim with your 20-yard pin and press the activation button. The sight will display the range along with a Bright Dot for your target range. A dimmer 20-yard pin will also illuminate at all ranges.

Note: Once ranged, the yardage will stay displayed for 10 seconds, the aiming (or target) dot will stay lit for 90 seconds. You can re-range at anytime by pressing the activation button.

Ranging Unsuccessful: if the ranging is unsuccessful, the sight will display standard dots in 10 yard increments starting with the 20 yard pin. (See Default Dots image on page 4)

Range Too Far: If the target is too far to display an aiming dot for your arrow's trajectory, the 20-yard dot will remain on and the bottom 4 dots will illuminate. Most bow set-ups will be able to achieve 80-110 yards depending on your bow speed and arrow weight.



ORACLE
by *Burris*



OPERATION

ACTIVATING DEFAULT DOTS

You can activate a default set of pins by pressing and holding the activation button for 3 seconds. This will display a standard set of dots starting at 20 yards and every 10-yard increments beyond that.



Default Dots

ADJUSTING SIGHT BRIGHTNESS

Sight brightness will be automatically set based on the amount of ambient light. You can also adjust it manually based on your preference.

When the sight is on, press the UP or DOWN buttons to adjust the brightness of the display and dots.

SWITCHING BETWEEN ARROW SETUPS

Press M (Mode). Push the UP or DOWN arrow to select your Arrow Selection (AS1 or AS2). Press S (Save). Press and hold the M (Mode) button for 2 seconds to exit (until "SR1" or "SR2" goes away).

TURNING THE SIGHT OFF

The sight automatically goes into sleep mode after 90 seconds of inactivity.

BUTTONS

M (MODE) BUTTON

1. Short press of button makes unit enter Set-Up Mode
2. Long press of the button exits the Set-Up Mode. **Note:** You must press S (Save) to save any of your changes.

UP AND DOWN ARROWS

1. In normal shooting mode press UP to increase dot and display brightness and DOWN to decrease brightness.
2. In Set-Up mode, press UP to move aiming dot up and Down to move aiming dot down.





S (SAVE) BUTTON

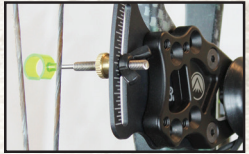
- Only active while in Setup Mode. Saves the entered value and advances the Menu.

MOUNTING AND SETUP

1 MOUNT THE ORACLE BOW SIGHT TO THE BOW

Like the vast majority of sights on the market, the Oracle easily mounts to the bow riser with two industry-standard mounting screws using the 1/8" hex wrench. Tighten to approximately 60 inch pounds or as tight as you comfortably can with the supplied L-wrench.

Optional: Mount the Rear Sight to the Bow - The rear sight mounts between your bow riser and the bow sight or between the bow sight and quiver – or directly to your quiver screw holes. Move the rear sight as high as you can to keep it out of the way while you initially sight in the bow.



Tip: The rear sight delivers the most accurate ranging, with or without drawing your bow and it prevents torquing the bow at full draw. The rear sight ensures proper laser alignment for accurate ranging without compromising your sight picture and also improves your bow shooting form.

Tip: Depending on your bow set-up, you may need to cut off any extra threaded length of the rear sight to mount your quiver.

2 ROUTE AND SECURE THE ACTIVATION BUTTON AND WIRE

Once the sight is mounted, place the activation button where it is most convenient and comfortable. Use the Velcro strip to attach the button to the bow grip.

Tip: The two most common placements are for index finger or pinky finger activation. Experiment with a number of alternate locations to suit your shooting style and comfort.



Once the button is mounted, route and secure the wire by wrapping any excess wire around the wire storage disc located on the mounting arm. Secure the wire to the riser using the Velcro strips or your own tape.

MOUNTING AND SETUP

Tip: A ¼" String Peep Sight is recommended so that you can see the yardage and the whole sight picture through the string peep sight.

3 INSTALLING THE BATTERY

The site includes a CR123 battery and should be installed in the battery compartment as indicated on the bottom of the sight (See page 15 for battery cap location). Remove the cap and insert the battery as indicated on the bottom of the site. One CR123 battery will operate the site for approximately 1,000-2,000 cycles of the site.

4 SIGHT-IN AT 20 YARDS

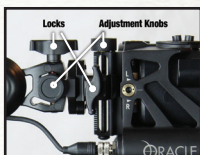
Sight-in your bow at 20 yards using the precision micro-adjustment locks and dials. A 20-yard marker is permanently located about a ½ inch down the trajectory bar. Press the activation button to turn on the sight and the 20-yard point will illuminate.

Tip: During sight-in, try to be as precise as possible to ensure proper long-range trajectory compensation. The windage and elevation locks on the sight need to be as tight as possible (approx. 30 inch pounds.)

Note: There is also a permanent marker about a ½ inch up from the bottom of the trajectory bar. This is only used when configuring the sight on a left-handed bow.

After the 20-yard sight-in, if you are using a rear sight, be sure to adjust the rear sight so your 20-yard pin is centered inside the rear sight circle at full draw with the open end facing down.

Tip: It is easy and common to inject some torque into the bow riser with your bow hand. Although a little bit of torque is often inconsequential to accurate shooting, a little bit of torque can point the laser rangefinder to a location different than your line of sight thereby giving you the distance to a different location than your target. Without compromising your sight picture, the rear sight insures proper laser alignment and also improves your bow shooting form.





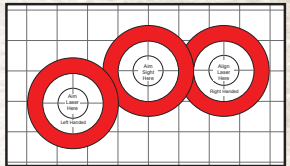
5 ALIGN LASER

Next, you must align the laser rangefinder to your 20-yard pin. The sight includes a removable visible red laser pointer for this process. **Tip:** It is best to align your laser indoors or on an over-cast day to help with laser visibility.

- I. Remove the white battery tab in the laser pointer.
- II. Unscrew the alignment laser cover and insert the laser pointer into the threaded laser pointer holder.

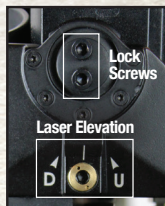


- III. Hang the reflective alignment target provided with the sight or download one at www.burrisoptics.com/Lasertarget. Place it at a distance of 5-20+ yards, as far as you can easily see the projected red dot. The target has an aiming point for the laser that is 2.5 inches to the right of the aiming point.



Tip: The visible laser is aligned with the infrared ranging laser at 2.5 inches to the right, therefore sighting in the laser can be done at any distance. We suggest doing this at the furthest distance that you can see the laser. Be sure to turn off the laser when not using for alignment to conserve battery.

- IV. Draw your bow and aim at the target. Note where the red laser is pointing on the alignment target. Marking this location may be helpful.
- V. Slightly loosen the two lock screws on the top of the laser module with the included $\frac{7}{64}$ " hex wrench. Adjust the red laser using the hex wrench by turning the Laser Windage Adjustment and Laser Elevation Adjustment aligning the laser with the laser target. As you make these adjustments, turn the adjustments until the laser starts moving. Once the laser starts moving it will adjust approximately 12 inches for a full turn at 20-yards distance.



Note: Very minimal effort is required to turn the Laser Windage and Elevation adjustment screws. Use only the small end of the included L-wrench to apply pressure to these adjustment screws. Once the force becomes significant to turn

MOUNTING AND SETUP

the screws, you've reached the limits of laser adjustment and any further turning of the screws could cause damage to the adjustment mechanism. If more laser adjustment is necessary, you should look to further tuning of your bow by adjusting the arrow launch angle either up or down, left or right, or in both axis. The arrow launch angles are adjusted by moving the nocking point (or D-Loop) for vertical tuning, or moving the launcher left or right for horizontal tuning.

- VI. At full draw, confirm that the red laser is centered on the alignment target. Make further adjustments as necessary.
- VII. Tighten the two lock screws at the top of the laser rangefinder using the included torque wrench.

Tip: When tightening the two lock screws, tighten them snugly and alternatively until fully tight, similar to tightening lug nuts on a vehicle. Once fully tight, confirm with additional "clicks" of the torque wrench on each lock screw.

- VIII. Remove the red laser pointer and reinstall the laser cover. Remove the batteries from the laser pointer.

6 TRAJECTORY CALIBRATING

To calibrate the sight, you must sight-in at two additional distances. One must be at 30+ yards and the second at 40+ yards (at least 10 yards further than your previous point). These distances are called SR1 (Select Range 1) & SR2 (Select Range 2).

Tip: Determine the maximum distance you will shoot with the sight and use that as your furthest distance. Use $\frac{1}{2}$ of this distance for SR1 (Select range 1) or 30 yards – whichever is greater. For example, if you will shoot a maximum of 70 yards, select your long range (SR2) at 70 yards and your mid-range (SR1) at 35 yards.

- I. Press the M (Mode) button. You will see the software version number for a few seconds and then "25 1". This stands for Arrow Selection 1. You can calibrate two separate arrow/tip configurations to the bow. For now, simply press the S (Save) button to accept that we want to program the sight for your Arrow Selection 1.

- II. **SIGHT IN AT YOUR FIRST DISTANCE (30+ YARDS)** - The sight now displays "5r 1". This stands for Select Range 1, your first distance. Move to your desired first sight-in distance at least 30+ yards from your target. Nock an arrow, draw and aim at the target. Depress





the activation button and confirm your range to the target. The sight will display your Range and two dots. The lighter dot is the 20-yard pin and the lower and brighter dot is your target pin at that yardage. Use the bottom dot to take a few shots.

Note: If the sight displays “d5-1” when ranging, you are too close to the target. Back up to at least 30 yards from your target or another yard or two

- III. Similar to sighting in a standard bow sight, you will adjust the dot electronically using the UP or DOWN arrow buttons. When you do this, another dot will appear higher or lower than your original aiming dot. The original aiming dot will blink so that you have a reference during calibration for determining how much to move your new aiming dot.



- IV. Shoot another group of arrows with the new aiming dot that is NOT blinking. Continue moving the new aiming dot up or down with additional arrow groupings until you are happy that you are sighted in at your Select Range 1 yardage. Once the bright dot is adjusted to your distance, press the S (Save) button. “5r2” will now be displayed.

Tip: Arrow group sizes get larger as distance to the target increases. Therefore, it is important to shoot many arrows when determining the center of your group at longer ranges. It is important to have accurate sight-in at both ranges (SR1 and SR2) to ensure accuracy at all other ranges.

- V. **SIGHT IN AT YOUR SECOND DISTANCE (40+ YARDS AND AT LEAST 10 YARD PAST YOUR FIRST DISTANCE)** - Move back to your second distance and repeat the process of sighting in the target dot using the UP or DOWN arrow buttons.

Note: If the sight displays “d5-1” when ranging, you are too close from your previous range. Back up to at least 40+ yards from your target and 10+ yards from your previous range.

- VI. Once you are sighted in for the second distance, press S (Save).

Note: To set up a second arrow profile, repeat this process but select “d52” (Arrow Selection 2) by pressing the Up ▲ Button. This could be used for shooting with and without broadheads or different arrow weights.

MOUNTING AND SETUP

That's it! Always remember to use the 20-yard dot to range to your target and your lower distance dot to take the shot.

Now experiment shooting at any distance and you will find the Burris Oracle Bow sight takes all the guesswork out of adjusting sights, aiming high or low or gapping pins. Most bow set-ups will be able to achieve 80-110 yards depending on speed and weight of your arrows.

Have some fun and good shooting!

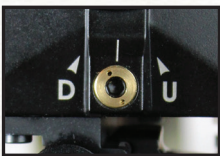
ADDITIONAL SETUP OPTIONS

LEFT HANDED

SETUP: The Oracle bow sight will automatically detect when the sight is mounted for a left-hand bow.



Left-handed operation requires the adjustment of a shim to allow adequate laser adjustment. Using the 1/8" hex wrench remove the two screws that mount the arm to the sight. A shim is located between the arm and the sight. Rotate this shim 180 degrees (top to bottom) putting the side labeled "L" with the "up" side facing up toward the buttons. Reinstall the screws until tight.



Laser Elevation



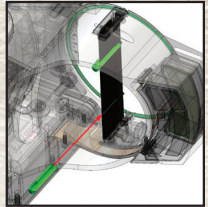
Laser Windage

The setup process remains the same. The exception is when aligning the laser, the laser adjustments will react in the opposite direction. UP will move the laser down and LEFT will move the laser to the right.



OPTIONAL LEFT-HANDED CHEVRON LIGHT PIPE INSTALLATION

The Chevron Light Pipe is designed to enhance the visibility of the 20 yard aiming and lasering reference triangles on the Aiming Frame. The right-handed Chevron Light Pipe is pre-installed at the factory. The left-handed Chevron Light Pipe is included separately in the box and is an optional installation for left handed use.



What You Will Need

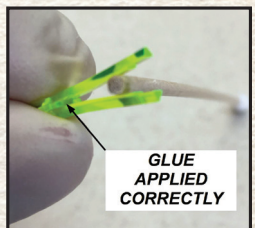
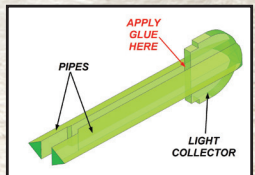
- Chevron Light Pipe – Included in original packaging
- Super Glue - With a fine tip
- Latex gloves
- Q-Tips
- Acetone or Nail Polish Remover

Tip: Burris recommends using Loctite® 401™. Any cyanoacrylate adhesive may be used.

Tip: Excessive amounts of acetone and acetone-based nail polish remover can damage the components of the bow sight. Only use a very small amount of acetone on a Q-Tip to clean up excess wet glue. Stop if you start seeing green or black residue form on your Q-Tip, this means you could be starting to damage the bow sight components.

Procedure

- 1 Use a dry Q-Tip to make sure that both sides of the Aiming Frame are clean. DO NOT use Acetone to clean the surfaces.
- 2 Using the shaft of a Q-Tip or small screwdriver, carefully spread the triangular-shaped Pipes of the Chevron Light Pipe apart. Do not over stretch the triangle Pipes as they will break.
- 3 With the Pipes open, apply a very small bead of super glue where the Pipes meet the Light Collector. Using latex gloves during this and the following steps prevents getting glue on your skin.

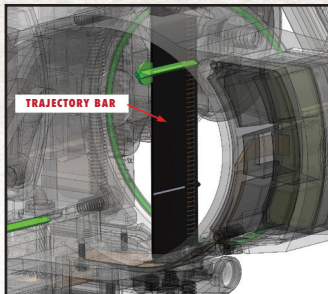


Caution: Cyanoacrylate adhesives (Super Glues) cure

ADDITIONAL SETUP OPTIONS

quickly. You will only have about 10 seconds to install and align the Chevron Light Pipe.

- 4 Slide the Chevron Light Pipe onto the Trajectory Bar where the black triangles are located. The Light Collector is shouldered and will stop against the edge of the Trajectory Bar.



- 5 Align the Chevron Light Pipe vertically on the Trajectory Bar so that the triangular pipes align perfectly with the black triangles on the Trajectory Bar closest to the bubble level. Make sure the shoulder of the Light Collector remains squarely in contact with the Trajectory Bar. Keep pressure on the Chevron Light Pipe until the glue sets.



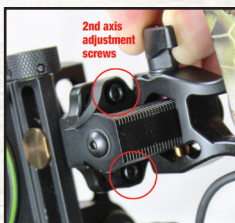
- 6 Carefully clean excess wet glue from the surface of the Chevron.

SECOND AND THIRD AXIS ADJUSTMENTS

For the most accurate operation of the bow sight, the sight must be mounted level on the second and third axis.

Tip: For second and third axis adjustments we suggest you take your bow and sight to a local pro shop.

The second axis means your vertical trajectory bar on the sight is perfectly vertical when holding the bow perfectly vertical (a bow vice is strongly suggested). The second axis can be adjusted by adjusting the windage screw all the way to one side and accessing the hex screw. Loosening this screw allows you to rotate the face of the sight clockwise or counter-clockwise

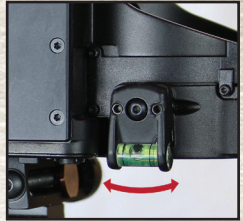


2nd Axis Adjustment



until it is perfectly vertical (bubble is centered) when the bow is perfectly vertical.

The third axis adjustment is for more accurate shots at extreme uphill or downhill angles. While holding the bow perfectly vertical (a bow vice is strongly suggested) tilt the bow down or up 45 degrees. Make sure the bubble level is centered at these extreme angles. To adjust the bubble for the third axis, use the included $\frac{1}{16}$ " hex wrench to loosen the set screw at the bottom center of the bubble level. Adjust the bubble by rotating the bubble level until it is level at all angles. Tighten the center screw to secure the level.



3rd Axis Adjustment

PRO-SHOP TIP: LASER ALIGNMENT USING A BOW SHOOTING MACHINE

If you have a bow shooting machine such as a Hooter Shooter or Quick Shooter, the machine may likely hold the bow riser different than the archer will, in terms of how much torque is exerted on the bow riser. Any difference in torque between the shooting machine and the archer will dramatically alter the alignment of the laser to the 20-yard sight-in dot. Final alignment of the laser to the 20-yard sight-in pin **MUST** be done for the **SPECIFIC ARCHER** and not from a shooting machine. Likewise, because every archer will induce a different amount of torque into the bow while at full draw, final laser alignment **MUST** be done for the **SPECIFIC ARCHER**.

LASER ALIGNMENT TROUBLESHOOTING

Bow tuning is important to laser alignment

- a. Nock alignment is not only critical to proper arrow flight, but also critical to laser alignment. With modern drop-away rests it is advised to align the arrow to the string perfectly perpendicular instead of slightly "nock high." If nock alignment is too far high or low from perpendicular, there may be insufficient elevation adjustment to properly align the laser to your 20-yard line of sight.
- b. Arrow rest alignment is not only critical to proper arrow flight, but also critical to laser alignment. If arrow rest alignment is too far left or right from "center-shot" there may be insufficient windage adjustment to properly align the laser to your 20-yard line of sight.

BURRIS WARRANTY

This Oracle Bowsight is covered by the Burris Forever Warranty™!



Thank you for choosing Burris. You can be confident that the Oracle you purchased is built to the most exacting standards. You can count on Burris to perform every time you use it.

We're so confident in the craftsmanship of our products that we back them with a no questions asked Forever Warranty.

We will replace or repair* your Burris sight if it is damaged** or defective. The warranty is automatically transferred to future owners.

- No repair or replacement charge
- No warranty card needed
- No receipt needed
- No questions asked

*Some products may no longer be available. Burris will—at our option—replace your product with the current item of similar quality and performance. Due to advancement in manufacturing technology the value of replacement products may not reflect the original purchase price of returned products.

**Cosmetic damage that does not affect the performance of the product in some cases may not be repairable. Products in this condition will be returned to the customer in full working order.

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ORACLE SPECIFICATIONS

Visible Laser (removable)

Output: <5mW, Class IIIa

Wavelength: 630 to 660 nm

Infrared Laser

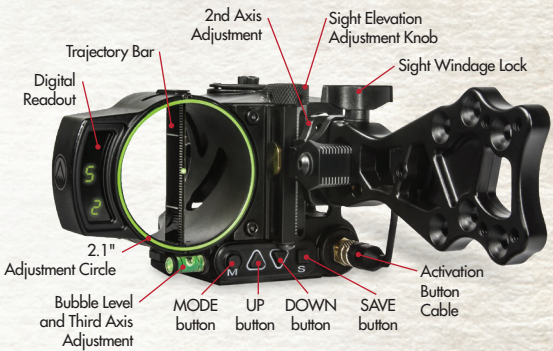
Output: <25W peak power, Infrared Class 1, eye safe

Wavelength: 905 nm

Operating Temperature: -10F to 140F

Storage Temperature: - 40F to 158F

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Warning: Visible and invisible laser radiation. Avoid direct eye exposure.

- Do not stare into the laser beam
- Do not look into the laser beam through binoculars or telescopes
- Do not point the laser beam at mirror-like surfaces
- Do not shine the laser beam into other individual's eyes.

Notice: The Oracle bow sight is not legal to hunt big game in some states. Please check your local regulations.

Burris

FIND WHAT MATTERS

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