

Bushnell®



ACCELERATE 4x Prism Sight INSTRUCTION MANUAL

Model#: AR750010

03-17

Congratulations on your choice of the **Bushnell® AR Optics® ACCELERATE 4x Prism Sight**. It is a precision instrument constructed of the finest materials and assembled by highly skilled craftsmen for a lifetime of trouble-free use under the most demanding conditions. This booklet will help you achieve optimum performance by explaining how to use its various features and how to care for it. Read the instructions carefully before mounting and using your sight. The accompanying photographs are guides to the nomenclature and location of the riflescope parts mentioned throughout this text.

1-BATTERY COMPARTMENT

2-RHEOSTAT (DIMMER)

3-WINDAGE ADJUSTMENT

4-ELEVATION ADJUSTMENT

5-EYEPIECE W/FOCUS RING

6-MOUNT





WARNING: NEVER LOOK AT THE SUN THROUGH THE RIFLESCOPE (OR ANY OTHER OPTICAL INSTRUMENT). IT MAY PERMANENTLY DAMAGE YOUR EYES.

ABOUT THE BUSHNELL AR OPTICS® ACCELERATE PRISM SIGHT

Congratulations on purchasing your Bushnell AR Optics® **ACCELERATE** illuminated optical prism sight. Designed with a unique rheostat that features positive detents for a full range of light intensities, the AR Optics® **ACCELERATE** Prism Sight is a state-of-the-art scope engineered especially for competitive shooting.

Engineered for greater speed and accuracy, the AR Optics® **ACCELERATE** Prism Sight allows you to concentrate on the reticle, thus increasing accuracy. The AR Optics® **ACCELERATE** Prism Sight's illuminated reticle has been pre-focused so the aiming point always appears against the target. By comparison, open sights force you to focus on the rear sight, front sight and target at the same time.

MOUNTING YOUR AR OPTICS® PRISM SIGHT



WARNING: IF THE SCOPE IS NOT MOUNTED FAR ENOUGH FORWARD, ITS REARWARD MOTION MAY INJURE THE SHOOTER WHEN THE RIFLE RECOILS.

Your AR Optics® **ACCELERATE** Prism Sight includes a tactical mount that fits standard, dovetailed bases or integral mounts using a standard weaver base.

1. The base or bases should be manufactured specifically for your pistol, rifle or shotgun and should create a uniform horizontal and vertical mounting platform. Be sure they are properly installed and securely fastened according to the manufacturer's instructions for your safety. There is no set eye relief for your AR Optics® **ACCELERATE** Prism Sight; therefore, you should provide at least three inches of clearance between the eyeball and your eye when in the shooting position.

2. Set the mount onto your base or rail, with the mount's crossbolts aligned with the crosscut grooves. Work the ring into the base/rail until the crossbolts seat into the groove. Securely tighten the locking nuts with a 1/2" wrench (or coin or screwdriver).

SIGHTING IN YOUR AR OPTICS® PRISM SIGHT

Note: THE FOLLOWING SHOULD BE DONE AT AN APPROVED RANGE OR OTHER SAFE AREA. EYE AND EAR PROTECTION IS RECOMMENDED.

1. Activate the illuminated dot by turning the rheostat knob in either the red or green direction to select the color dot you prefer to use. Each dot color has 5 levels of illumination, with "5" being the brightest.
2. With the sight mounted, rest the gun on a solid support. Sight along the barrel and aim at a target 50 to 100 yards away. Sight through your AR Optics® ACCELERATE Prism Sight and use the windage and elevation adjustments to align the lighted reticle with the target as seen along the barrel. Each click of adjustment moves the point of impact by the amount written on the adjustments. Once the scope is zeroed, replace the adjustment caps.



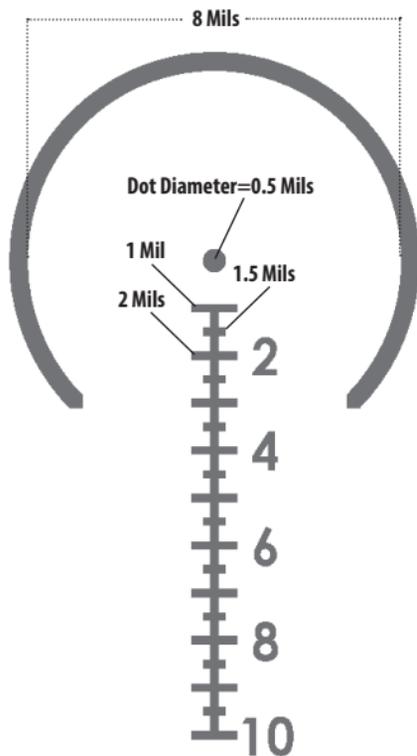
WARNING: A SCOPE/SIGHT SHOULD NEVER BE USED AS A SUBSTITUTE FOR A BINOCULAR OR SPOTTING SCOPE. IT MAY RESULT IN YOU INADVERTENTLY POINTING THE GUN AT ANOTHER PERSON.

THE BTR-3 RETICLE

The AR Optics® ACCELERATE Prism Sight's BTR-3 (Bushnell Tactical Reticle) is a Mil based reticle designed to work with any ammo caliber, and provides hash marks every 0.5 Mils (with wider marks at 1.0 Mil intervals). Since the elevation turret uses Mil lines as well, point of aim adjustment or using the reticle for holdover reference is easy. If you have a ballistic drop chart for the ammo you are using, use the hash mark closest in Mils for the distance you are shooting indicated by the chart as your adjusted point of aim. If a ballistic chart is not available, follow the steps below:

Using the Reticle without a Ballistic Chart:

1. Sight in at 100 yards (or 50 yards if you will be shooting more often at close range), using the center dot as your point of aim.
2. If your shots are consistently hitting (for example) 4 Mils below your point of aim as indicated by the scale on the reticle, turn your elevation adjustment down 4 Mils.
3. Shoot another series of rounds to verify your point of aim has improved. Repeat the process if necessary.
4. If you prefer, another option is to just use the reticle scale for holdover reference-rather than adjusting the elevation turret, use the hash mark nearest to where your shots actually hit as your new point of aim.



RETICLE ILLUMINATION LEVEL AND COLOR SELECTION

The BTR reticle is illuminated. The “third knob” (*Fig. 1*) along with elevation and windage turrets is a brightness adjustment control (rheostat), numbered from 1-5 with options for a red or green dot color selected by the direction of rotation. To increase the brightness, set the control to a higher number. To turn off the illumination and when storing the scope, set the dial to “0”.



REPLACING THE BATTERY



WARNING: BE SURE GUN IS NOT LOADED WHEN CHANGING BATTERIES.

Should the reticle grow dim or not light at all, you will need to replace the battery. To install a new battery, unscrew the battery compartment cover (*Fig. 2*) and insert a new CR2032 battery, with the “+” side facing up (*Fig. 3*). Replace battery cover.



MAINTENANCE



CAUTION: UNNECESSARY RUBBING OR USE OF A COARSE CLOTH MAY CAUSE PERMANENT DAMAGE TO LENS COATINGS.

Your Bushnell AR Optics® ACCELERATE Prism Sight, though amazingly tough, is a precision instrument that deserves reasonably cautious care.

1. When cleaning the lenses, first blow away any dry dirt and dust, or use a soft lens brush. Fingerprints and lubricants can be wiped off with lens tissue, or a soft clean cloth, moistened with lens cleaning fluid.
2. All moving parts of the sight are permanently lubricated. Do not try to lubricate them.
3. No maintenance is needed on the sight's outer surface, except to occasionally wipe off dirt or fingerprints with a soft cloth.
4. Use lens covers whenever it is convenient.

STORAGE

Avoid storing the sight in hot places, such as the passenger compartment of a vehicle on a hot day. The high temperature could adversely affect the lubricants and sealants. A vehicle's trunk, a gun cabinet or a closet is preferable. Never leave the sight where direct sunlight can enter either the objective or the eyepiece lens. Damage may result from the concentration (burning glass effect) of the sun's rays.

ONE-YEAR LIMITED WARRANTY

Your Bushell® electronic product is warranted to be free of defects in materials and workmanship for one year after the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse, improper handling, installation, or maintenance provided by someone other than a Bushell Authorized Service Department.

Any return made under this warranty must be accompanied by the items listed below:

1. A check/money order in the amount of \$10.00 to cover the cost of postage and handling.
2. Name, address and daytime phone # for product return.
3. An explanation of the defect.
4. Copy of your dated proof of purchase.

Do not send in accessories (batteries, SD cards, cables), only the product for repair.

Product should be well packed in a sturdy outside shipping carton to prevent damage in transit, and shipped to the address listed below:

IN U.S.A. Send To:

Bushell Outdoor Products
Attn.: Repairs
9200 Cody
Overland Park, Kansas 66214

IN CANADA Send To:

Bushell Outdoor Products
Attn.: Repairs
140 Great Gulf Drive, Unit # B
Vaughan, Ontario L4K 5W5

For products purchased outside the United States or Canada please contact your local dealer for applicable warranty information.

In Europe you may also contact Bushell at:

Bushell Germany GmbH
European Service Centre
Mathias-Brüggen-Str. 80
D-50827 Köln
GERMANY
Tel: +49 221 995568-0
Fax: +49 221 995568-20

This warranty gives you specific legal rights.
You may have other rights which vary from country to country.

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FCC Note:

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Shielded interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Disposal of Electric and Electronic Equipment

(Applicable in the EU and other European countries with separate collection systems)

This equipment contains electric and/or electronic parts and must therefore not be disposed of as normal household waste. Instead, it should be disposed at the respective collection points for recycling provided by the communities. For you, this is free of charge.

If the equipment contains exchangeable (rechargeable) batteries, these too must be removed before and, if necessary, in turn be disposed of according to the relevant regulations (see also the respective comments in this unit's instructions).

Further information about the subject is available at your community administration, your local waste collection company, or in the store where you purchased this equipment.



Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.

Bushnell®



For further questions or additional information please contact:

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