

Bushnell®



TRS-125

RED DOT SIGHT OWNER'S GUIDE



Included:

- A. TRS-125 Red Dot Sight
- B. Hi-Rise Spacer (with Long Screw set and Low-Profile Mount)
- C. Microfiber Cleaning Cloth
- D. Short Screw set for Low-Profile Mount (direct to sight, no spacer option)
- E. Small Hex Key (2mm)
- F. Large Hex Key (3mm)
- G. Plastic Multi-tool

Thank you for purchasing your new Bushnell® TRS-125 Red Dot Sight (illuminated optical sight).

This manual will help you optimize your viewing experience by explaining how to utilize the sight's features and how to care for it. Read the instructions carefully before using your sight.



WARNING! : DO NOT LOOK AT THE SUN THROUGH THE OPTICS, AS PERMANENT EYE DAMAGE OR EVEN BLINDNESS MAY RESULT.

ABOUT THE BUSHNELL® TRS-125® TACTICAL RED DOT SIGHT

The Bushnell AR Optics TRS-125 is engineered especially for competitive shooting and target shooting or plinking with handguns, rifles, shotguns and bows, as well as hunting at shorter ranges. The TRS-125 is powered by a long-lasting battery that sets the industry standard with more than 15,000 hours of battery life (at a brightness level of "5"). It delivers a bright, crisp 3 MOA dot with 10 brightness levels and push-button operation in a compact package.

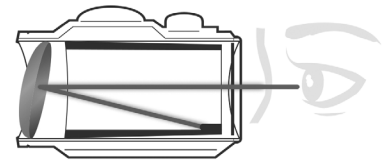
Note: battery life as listed will vary depending on the brightness settings used (*stated life estimate is based on a typical, medium brightness setting*), freshness and quality of the battery, ambient temperature, and other factors.

Your sight's illuminated reticle has been pre-focused so the aiming point always appears in focus on the target. By comparison, open sights force you to focus on the rear sight, front sight and target at the same time and bring the target into focus.

The TRS-125 can be easily used with both eyes open (eye relief is unlimited), increasing the shooter's awareness of the surrounding environment and providing faster target acquisition due to the parallax free design, as the dot follows the movement of the user's eye while remaining fixed on the target. Engineered for greater speed and accuracy, these sights allow you to focus on the target rather than a reticle, thus increasing accuracy.

About Red Dot Lens Positioning

All red dot sights have an objective lens at the front of the unit that is spherical in shape. However, unlike a conventional riflescope with all lenses mounted perpendicular (at a 90 degree angle) to the axis of the tube, the objective lens in a red dot sight is positioned off axis and appears to be tilted when looking at the sight (*right*). This angle of the front lens allows the light generated by the battery powered LED light source inside the unit to be reflected back into the sight. The reflected light becomes the "dot" or aiming reference that the shooter sees when a red dot sight is switched on. This engineered "bending" of light is what makes today's red-dot sights so popular and easy to use.



MOUNTING YOUR TRS-125 SIGHT



WARNING! : BEFORE MOUNTING YOUR SIGHT, REPLACING ITS BATTERY, OR REMOVING OR PERFORMING MAINTENANCE ON THE SIGHT, BE SURE ACTION IS OPEN, CLIP OR MAGAZINE IS REMOVED AND A ROUND IS NOT IN THE CHAMBER. DO NOT ATTEMPT ANY WORK UNTIL THE FIREARM HAS BEEN CLEARED AND DETERMINED TO BE SAFE.

Your TRS-125 sight includes a low-profile mount for Weaver style or Picatinny rails. It also comes with a high-rise spacer and longer screw set (installed) that is well-suited for MSR (flat-top receiver) applications. Should the user be mounting it on a firearm other than an MSR, they may wish to remove the high-rise spacer and attach just the low-profile mount with the provided short screw set (4 pcs).

The base or bases you use with your sight 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 TRS-125 sight; therefore, you should provide at least three inches of clearance between the viewing lens and your eye when in the shooting position. Note that firearms with adjustable length-of-pull ("LOP") buttstocks can affect or limit the amount of usable eye relief.

Set the mount onto the base or bases so that it aligns with the crosscut grooves. Work the mount into the base until the crossbolt seats into the groove. Forward load the mount, so that the crossbolt engages the forward groove and clearance is removed. While holding the unit in position, securely tighten the locking nut or mounting plate. The next section of the manual provides some specific mounting details for the TRS-125 sight.



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

MOUNTING DETAILS

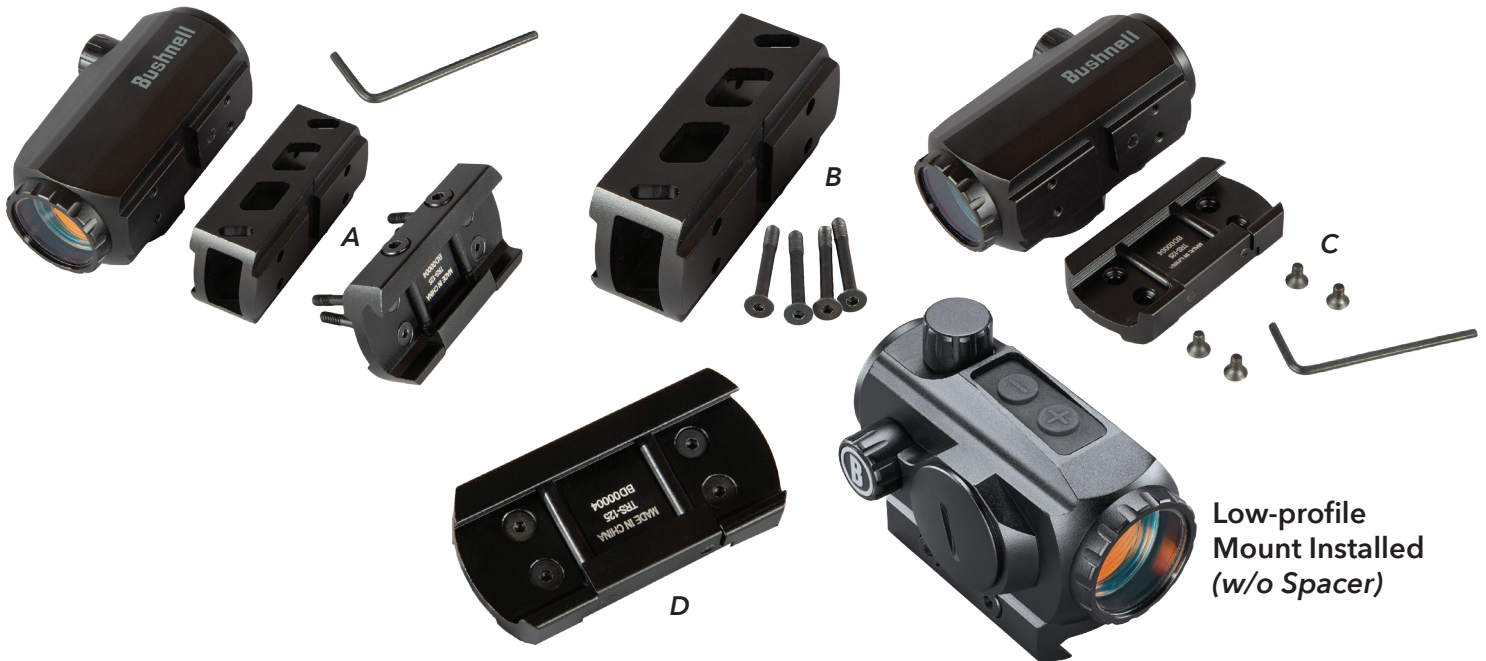
1. Loosen the side screws by means of the provided tool (large 3mm hex L-key), so that the locking bar can clamp around the Picatinny/ Weaver rail.
2. Install the sight to the firearm rail by tightening the screws. First, ensure that the sight is correctly positioned and that

the screws fit into grooves on the Picatinny/Weaver rail. If mounting directly to an adapter plate (common for optics ready pistols), follow the manufacturer's instructions for attaching the adapter plate. Install the sight to the firearm rail by tightening the screws. First, ensure that the sight is correctly positioned and that the screws fit into grooves on the Picatinny/Weaver rail. If mounting directly to an adapter plate (common for optics ready pistols), follow the manufacturer's instructions for attaching the adapter plate. Unless otherwise specified by the 3rd party manufacturer, be sure to remove any clearance by gently forward loading items during fastening. Alternate between each screw when tightening, to avoid canting the lock bar. Turn the screws until resistance is felt. Confirm mount is flat on rail and clamp is engaged. Alternate between each screw when tightening, to avoid canting the lock bar. To make sure that the screws are firmly tightened, turn the screws clockwise until a light resistance is felt-if using a torque wrench, tighten to a torque of 15-20 lbf*in. **CAUTION: Do not overtighten.**

3. Tighten both screws to 15-20 lbf*in. **CAUTION: Do not overtighten.**

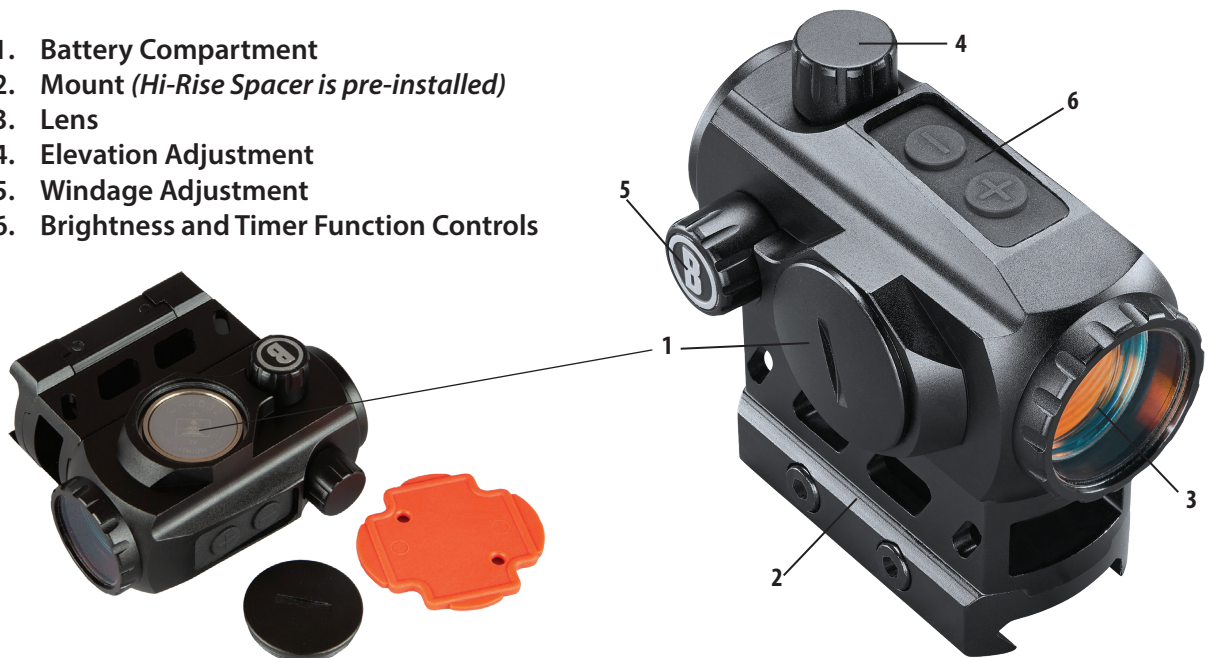
To convert from the hi-rise spacer (pre-installed) to the low-profile mount (bottom section only):

- Using the provided small 2mm hex key, loosen the 4 long screws attaching the hi-rise spacer and low-profile mount to the sight, until the low-profile mount can be pulled away from the sight and spacer (A).
- Remove the long screws and set them aside, along with the hi-rise spacer. Store these for future use (B).
- Locate the included short screws (set of 4), and use them to fasten the low-profile mount directly to the sight, using the small 2mm hex key (C).
- Tighten the mount to the sight (alternating between the 4 screws) to a torque of 12-15 lbf*in (D).



PARTS GUIDE

1. Battery Compartment
2. Mount (*Hi-Rise Spacer is pre-installed*)
3. Lens
4. Elevation Adjustment
5. Windage Adjustment
6. Brightness and Timer Function Controls



ACTIVATING THE BATTERY

Before powering on your sight for the first time, you will need to open the battery compartment using the supplied plastic multi-tool or a coin, and remove the protective sticker or plastic disc from the battery. See the Parts Guide for the location of the battery compartment.

REPLACING THE BATTERY

Should your reticle grow dim or not light at all, replace the battery. To install a new battery, unscrew the round battery compartment cover using the supplied multi-tool or a coin. Insert a new CR2032 lithium battery, noting the position of the positive and negative sides (*positive side facing up, towards the cover*). Replace battery cover.

CAUTION: When replacing the battery cover, be sure that the O-ring is present and not damaged. Failure to do so could result in water leakage into the battery compartment.

Verify that red dot is present by switching the power on and increasing the brightness if necessary (see next sections).

SWITCHING POWER ON/OFF AND USING THE 12 HR AUTO-OFF TIMER

To turn the sight's power on and off, press either the "plus" or "minus" button on the top of the sight. To switch power off, press and hold the "minus" button for 2.5 seconds. To change the auto-off timer mode, press and hold both plus and minus buttons for 2 seconds. When the timer is activated (**indicated by 4 fast flashes of the red dot**), power will automatically switch off after 12 hours to extend battery life if no button has been pressed. Switch power on again to continue using the sight if necessary. To turn the timer off, press and hold both buttons for 2 sec. again. When the timer is deactivated, **the red dot will flash 3 times slowly**.

Note: the default status of the timer is engaged. Each time the battery is depleted, removed and reinstalled or replaced, the unit will return to its default state.

ADJUSTING DOT BRIGHTNESS

To adjust the brightness level of the dot reticle, press and release the "plus" button on the top of the sight to increase brightness. Press and release the "minus" button to decrease brightness. Once the high (or low) limit of brightness settings has been reached, if you continue to press the plus (or minus) button, the reticle will flash to indicate it cannot be further brightened (or dimmed). The preferred brightness setting is retained in memory and will resume after the unit has been turned off or automatically turns off. If the battery is depleted or removed, the default brightness will resume, which is setting 5 (middle of the total range of 10 settings).

SIGHTING IN/ZEROING YOUR TRS-125 SIGHT



WARNING! : SINCE THIS PROCEDURE INVOLVES LIVE FIRE, IT SHOULD BE DONE AT AN APPROVED RANGE OR OTHER SAFE AREA. CHECK BORE FOR OBSTRUCTIONS. AN OBSTRUCTED BORE MAY CAUSE INJURY TO YOU AND OTHERS NEAR BY. EYE & EAR PROTECTION IS RECOMMENDED.

1. With the sight mounted, rest the firearm on a solid support. Switch on the sight's power and adjust brightness as needed until dot is easily visible.
2. Remove the windage and elevation adjustment caps.
3. Sight along the barrel and aim at a target 50 to 100 yards away. Sight through your TRS-125 Red Dot and turn the windage and/or elevation adjustments to align the center dot with the target as seen along the barrel. Each click of adjustment moves the point of impact by 1 MOA. Once the scope is zeroed, replace the adjustment caps.

OPERATION UNDER EXTREME CONDITIONS

- **Extreme heat (moist or dry):** no special procedures required. Avoid prolonged exposure if possible.
- **Extreme cold:** extreme low temperature may shorten battery life. It could also make the rotary dial (brightness control) on the Incinerate/Enrage a little harder to turn than at normal temperatures.
- **Salt air:** no special procedures required.
- **Sea spray, water, mud and snow:** ensure that battery cap and the two adjustment caps (if present) are tightened before exposing the sight to sea spray, mud, snow or before immersing the sight in water. Hand tighten only. Keep lens covers closed when sight is not being used. Clean lenses with lens paper/cloth (see caution note below) and wipe the sight dry as soon as possible after exposure to water, sea spray, mud or snow.
- **Dust storms and sand storms:** keep lens covers closed when sight is not being used.

CAUTION: The lenses shall never be cleaned with fingers but with lens paper/cloth, to avoid scratching the glass.

Use a soft brush or “canned air” to remove any loose debris (sand, grass, etc.) prior to using the lens paper or soft clean cloth.

TROUBLE SHOOTING

Problem: Red Dot Does Not Appear

Possible Causes/Solutions:

- **Discharged battery:** Replace battery with a new CR2032 lithium cell.
- **Battery installed incorrectly:** Remove and reinstall battery, referring to the Parts Guide battery compartment image.
- **Battery not making good contact:** Clean contact surfaces and reinstall battery.
- **Other Electronic Issues:** Contact Bushnell customer service.

Problem: Impossible To Zero

Possible Causes/Solutions:

- **Adjustment screw is at its limit:** Check alignment of mount to barrel.
- **Impact point is moving:** Check mount and firearm rail (or carry handle) stability.

Technical Specifications

SKU	Magnification	Reticle	Total Elevation / Windage Travel (MOA)	Windage/Elevation Click Value	Parallax Free Distance (Yds)	# of Brightness Settings	Field of View and Eye Relief	User Selectable Timer	Waterproof	Length (inches)	Weight (oz)
TRS125	1x	3 MOA Dot	100/100	1.0 MOA	100	10	Unlimited	Yes, 12 hr	Yes, IPX7	2.8	5.3*

* Weight with battery and low-profile mount. Weight with high-rise mount is 6.6 oz.



NO RECEIPT
REQUIRED



FULLY
TRANSFERABLE



WORKMANSHIP
COVERED



MATERIALS
COVERED

COVERAGE YOU CAN COUNT ON

All Bushnell products are engineered to deliver to your expectation and manufactured to withstand the rigors of the outdoors for the lifetime of the product. In the event that our product fails you, we will stand behind it and repair it at no cost to you. If we can't repair it then we will replace it with a product of equal or better value. No receipt required and fully transferable.

All Bushnell® products carry a product lifetime warranty against defects in workmanship or materials. Product lifetime is defined as 30 years for riflescopes, 20 years for binoculars and spotting scopes, 5 years for electro-optics (laser rangefinders, red dot sights, reflex sights, speed gun radars, night vision, GPS) and electronic components (illuminated reticles) and 2 years for trail cams. Coverage period start date is determined by proof of purchase or manufacturing date of the product. This warranty does not cover cosmetic damage; damage caused by failing to properly maintain the product; loss; theft; damage as a result of unauthorized repair, modification, or disassembly; intentional damage, misuses, or abuse. This Warranty will be void if the date stamp or other serialization codes have been removed from the Product. We may replace your product with a product of equal or better physical condition.

To view the full warranty and download the details of the warranty, click this link: <https://www.bushnell.com/bu-warranty.html>
To submit a repair request or check the status of a repair ticket: <https://service.bushnell.com/s/>

Alternatively, you can request a copy of the warranty by calling us at 1-800-423-3537 or writing to us at one of the following addresses:

IN U.S.A. Send To:

Bushnell Holdings, Inc.
Attn.: Repairs
9200 Cody
Overland Park, Kansas 66214

IN CANADA Send To:

Bushnell Holdings, Inc.
Attn.: Repairs
140 Great Gulf Drive, Unit B
Vaughan, Ontario L4K 5W1
Canada

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

This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

We warrant that during the warranty period, with proper use and care, the product will be free from defects in materials and workmanship and will meet represented performance standards as defined by the warrantor in its sole discretion.

The remedies described herein are your sole and exclusive remedies and our entire liability for any breach of this warranty. Our liability shall under no circumstances exceed the actual amount paid by you for the defective product, nor shall we under any circumstances be liable for any consequential, incidental, special or punitive damages or losses, whether direct or indirect.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Our responsibility for defective goods is limited to repair or replacement as described in this warranty statement.

FCC Statement

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



Industry Canada Statement :

This device complies with ISED's license-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement / Déclaration d'exposition aux radiations :

This device complies with the Industry Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for the intended operation as described in this manual. Further RF exposure reduction can be achieved if the product can be kept as far as possible from the user's body or if the device is set to a lower output power if such function is available.

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

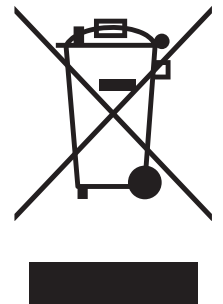
Disposal of Electric and Electronic Equipment

(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.



 **WARNING: This product uses a Lithium based battery. Lithium batteries can overheat and cause damage if physically abused. Do not use batteries that are damaged or show signs of physical wear.**

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