



ET1X32

Red Dot Scope

OWNER'S MANUAL

MODEL #: ET1X32

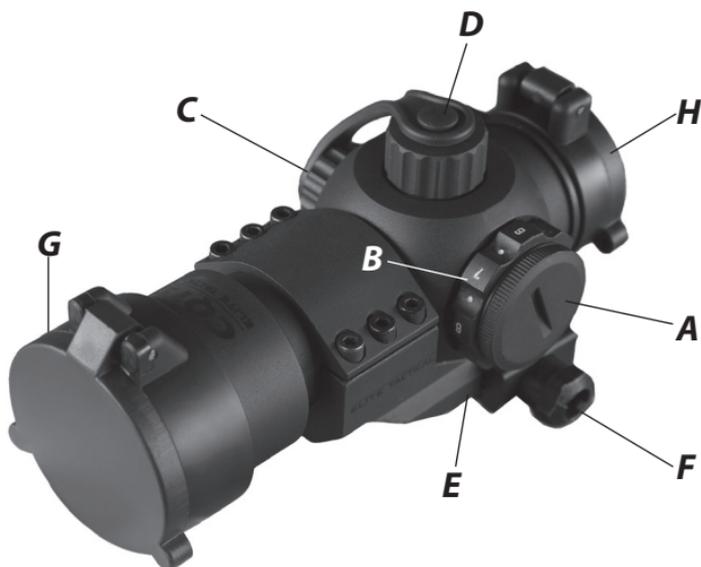
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PARTS GUIDE



A - Battery Cap
B - Brightness Adjustment Dial
C - Windage Adjustment
D - Elevation Adjustment

E - Cantilever Tactical Mount
F - Hex Lock Nut
G - Flip-up Objective Cover
H - Flip-up Eyepiece Cover





Introduction: The Elite Tactical Red Dot Rifle Scope

The Bushnell® Elite Tactical ET1X32 is constructed and assembled by highly skilled craftsmen to Bushnell's high quality standards. The precision and craftsmanship with which this scope was built ensures its performance under demanding conditions. This scope will provide the shooting accuracy and repeatability which have made Bushnell legendary.

This sight 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. There is no need for centering, due to the parallax free design in which the dot follows the movement of the user's eye while remaining fixed on the target.

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 rifle scope 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 (see below).*** 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.

Packing List

Your Bushnell Elite Tactical ET1X32 Red Dot Sight includes the following items:

- ET1X32 sight with one piece cantilever tactical mount
- 2.5mm hex wrench
- CR2032 lithium battery
- Cleaning cloth





SETUP AND OPERATION

WARNING: Insure the weapon is unloaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance on the sight.

INSTALLING THE BATTERY

If the reticle grows dim or fails to illuminate, you will need to replace the battery.

1. Remove Battery Cap (**A**) by turning it counter clockwise.
2. Insert a battery (type CR2032 only) with positive (+) side facing out/up towards the cap.
3. Replace Battery Cap by turning clockwise by hand until "finger tight", then use a coin or similar item to tighten slightly more (about 1/8 turn) to press the rubber O-ring so that your sight becomes waterproof. Avoid the use of tools, which could damage the equipment. Set the Brightness Adjustment Dial to "5" or higher (see "Brightness Adjustment") and confirm the red dot is visible when viewing through the eyepiece.



Note: before installing the Battery Cap, verify that the O-ring is present (see photo above) and not damaged. Failure to do so could result in water leakage into the battery compartment.

INSTALLING AND MOUNTING THE SCOPE

The ET1X32 is equipped with mounting hardware for attachment to a standard 20mm Picatinny style rail. If your weapon does not have or support a rail of this description, please consult your dealer, gunsmith or other qualified source.

To achieve the best results and accuracy, the ET1X32 must be mounted properly. Loosen the Hex Lock Nut (**F**) and mount the sight on the Picatinny base. Tighten the Hex Lock Nut until it is just "finger tight". Then, with a coin or 1/2" (13mm) wrench, tighten the Hex Lock Nut another quarter turn, to ensure it is securely mounted. Do not overtighten. Once the scope has been mounted on the rail, make sure that the sight is horizontally level. This is necessary before you do the zeroing. After shooting your weapon for the first time, check to make sure the Lock Nut remains adequately tight.





BRIGHTNESS ADJUSTMENT

The Brightness Adjustment Dial (**B**) on the side of the ET1X32 is delivered with the red dot can be rotated in either direction to set the red dot to the desired brightness level, based on ambient light conditions, auxiliary equipment, and user preference. Settings 1 through 3 on the dial are very low intensity, and are intended for use when auxiliary night vision viewing devices are used in conjunction with the scope. Settings 5 through 8 are the brightness levels for normal daytime operation. Setting #4 is usable for either night vision or dim daytime applications (dusk/dawn). When you are finished using the scope for a long period of time, or storing the scope away, be sure to turn the red dot off by setting the Brightness Dial to a “dot” in between any two numbered settings. Battery life will vary depending on the brightness setting you select, environmental temperature conditions and frequency/length of continuous or intermittent operation.

WINDAGE AND ELEVATION ADJUSTMENTS

The ET1X32 is delivered with the red dot in a centered position. Normally this means that only small adjustments are necessary, providing that the rail on your firearm is properly aligned.

One click on the windage or elevation adjustment represents 1/2” at 100 yards, 1/4” at 50 yards, and 1/8” at 25 yards. Final zeroing of your firearms and sight should be done with live ammunition based on your expected shooting distance.

If you anticipate most of your shooting at short range (under 100 yds), zero-in at 50 yards. Using a screwdriver or coin, make adjustments in the appropriate direction, noting the “UP” and/or “L” reference indicated by the arrows. Each click will change the bullet’s point of impact.

Windage

The Windage Adjustment (**C**) is located on the side of the scope. To move the point of impact RIGHT, turn the adjustment screw counterclockwise. To move the point of impact LEFT, turn the adjustment screw clockwise.

Elevation

The Elevation Adjustment (**D**) is located on top of the scope. To move the point of impact DOWN, turn the adjustment screw clockwise. To move the point of impact UP, turn the adjustment screw counterclockwise.

CAUTION: Do not continue to adjust windage and elevation mechanisms if you encounter resistance. Once adjustments are final, the adjustment cover caps should be replaced and tightened to assure waterproof operation.





BORE SIGHTING

Bore sighting is a good preliminary procedure in achieving proper alignment of your scope to the firearm. It is best performed with a Bushnell Bore Sighter. If not available, it can be done adequately in the following manner: Sight through the gun barrel at a 100 yard target. Then, set your scope to the desired brightness level, sight through it, and bring the reticle to the same point on the target.

SCOPE ZEROING

Final zeroing of your firearm and scope should be done with live ammunition and based on your expected shooting distance. If you anticipate most of your shooting at short range, zero-in at 50 yards. Groups of three shots will be useful for averaging the point of impact.

Major elevation adjustment should not be needed but, if necessary, it should be accomplished by shimming the mount base. It is important not to use the elevation adjustment of the scope for major adjustments. Your scope's internal elevation adjustment should be reserved for fine tuning to achieve zero at the called for distance.

ZEROING PROCEDURE

1. Open the Lens Covers.
2. Turn the Brightness Adjustment Dial (**B**) clockwise until the red dot has a sufficient intensity to contrast against the target.
3. Remove the Adjustment Cap (**C, D**) for windage and elevation adjustment, one at a time.
4. Confirm zeroing by firing at least three shots at a zeroing target. Check points of impact on zeroing target to confirm accuracy, adjusting windage and/or elevation as needed. Repeat this process if necessary.
5. After initial firing, ensure that the scope is secure.
6. Turn Brightness Adjustment Dial to an OFF position (the dot between any two numbers).
7. Close front and rear Lens Covers.

OPERATION UNDER EXTREME CONDITIONS

- **Extreme heat (moist or dry):** No special procedures required.
- **Extreme cold:** Extreme cold might shorten battery life. It could also make the Rotary Switch 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 are tightened before exposing the scope to sea spray, mud, snow or before immersing the scope in water. Hand tighten only. Keep Lens Covers closed when sight is not being used. Clean lenses with photographic lens tissue or a microfiber cloth, 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 scope is not being used.

CAUTION: *The lenses should never be cleaned with fingers but with photographic lens tissue or a microfiber cloth. If no lens paper/cloth is available:*

- **To clear away debris (sand, grass etc):** blow away the dirt.
- **To clean lenses (after any debris is removed):** breathe on the lenses and clean them with a soft cloth.

TROUBLE SHOOTING

Problem: Red Dot Does Not Appear

Possible Causes/Solutions:

- **Discharged battery:** Replace battery.
- **Battery installed incorrectly:** Remove and reinstall battery with (+) toward Cap.
- **Battery is not making good contact:** Clean contact surfaces and reinstall battery.
- **Defective Rotary Switch:** Notify dealer/armourer.

Problem: Not Possible to Zero Scope

Possible Causes/Solutions:

- **Windage and/or elevation adjustment is at its limit:** Check alignment of mount to barrel.
- **Impact point is moving:** Check mount and weapon rail (or carry handle) stability.





ONE YEAR LIMITED WARRANTY

Your Bushnell® red dot scope 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 Bushnell 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 and address for product return
3. An explanation of the defect
4. Proof of Date Purchased
5. Product should be well packed in a sturdy outside shipping carton, to prevent damage in transit, with return postage prepaid to the address listed below:

IN U.S.A. Send To:

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

IN CANADA Send To:

Bushnell Outdoor Products
Attn.: Repairs
140 Great Gulf Drive, Unit B
Vaughan, Ontario L4K 5W1

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

In Europe you may also contact Bushnell at:

Bushnell 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 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.







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