



# RITON

## 1 TACTIX

ARD RED DOT



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# THANK YOU FOR CHOOSING RITON OPTICS.

We know that you have many options and we are thankful for selecting Riton as your optics provider.

Here at Riton we have an unwavering passion for offering high quality optics at the industry's most competitive prices and matched by incredible service. You will see the difference in everything we do because we are different, and we developed this company to be exactly that so that you, the consumer, get everything you deserve. If you are ever in need of additional information or assistance, please contact us. We are here to continually serve you as a valued partner.

"RITON WAS BUILT OUT OF THE BELIEF THAT A PERSON'S HARD-EARNED DOLLAR SHOULD BUY QUALITY OPTICS AND THE BEST SERVICE AT EVERY PRICE POINT."

# 1 TACTIX ARD

## OPTIC SPECIFICS

The 1 Tactix ARD is one of Riton's most versatile red dots, whether you're mounting it to an AR, AK, a shotgun, or a pistol. Featuring the Riton 2 MOA ultra-precise red dot, it comes with a lower 1/3 co-witness QD mount and a flush mount for the perfect mounting height no matter the platform.

## DETAILED PRODUCT FEATURES:

- / 1 MOA Windage and Elevation Adjustment
- / 6 levels of red illumination featuring on/off between each level
- / 40,000 Hours Battery Life
- / Assembled in EP-Level Clean Room
- / 100% Waterproof, Fog Proof and Shockproof (tested up to 1200 G's)



# TECHNICAL SPECIFICATIONS



<b>MAGNIFICATION:</b>	1
<b>PARALLAX ADJUSTMENT:</b>	Fixed at 50 yards
<b>OBJECTIVE LENS DIAMETER:</b>	23mm
<b>LENS COATING:</b>	Fully Multi-Coated, Full Wide Band, Waterproof Coated, Low Light Enhancement
<b>DOT SIZE:</b>	2 MOA
<b>MATERIAL:</b>	6061-T6 Aircraft Grade Aluminum
<b>EYE RELIEF:</b>	Unlimited
<b>CLICK VALUE AT 100 YDS/MM:</b>	1 MOA
<b>ADJUSTMENT RANGE:</b>	120 MOA
<b>LENGTH:</b>	2.48in/63mm
<b>WEIGHT:</b>	3.5oz/100g

## EXPLANATION OF MINUTE OF ANGLE (MOA)

MOA unit of arc measurements are based on degrees and minutes. There are 360 degrees in a circle and 60 minutes in a degree for a total of 21,600 minutes (MOA) in a circle. A minute of angle will subtend 1.05 inches at a distance of 100 yards.

## ADJUSTING YOUR RED DOT

Use the chart's below to determine the clicks needed to adjust your point of impact.

### BASED ON 1 MOA ADJUSTMENTS

25 YARDS	50 YARDS	100 YARDS	150 YARDS	200 YARDS
.25 IN	.50 IN	1 IN	1.5 IN	2 IN

\*Graduations can be calculated at additional distances beyond 200 yds.



## ILLUMINATION SYSTEM

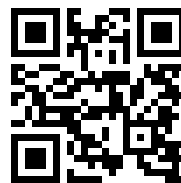
The variable intensity reticle illumination system aids in low light situations.

### TO ACTIVATE THE ILLUMINATION:

Rotate the adjustment knob in either direction. There are six levels of brightness with off positions between each brightness setting.

### TO CHANGE THE BATTERY

Unscrew the outer cap located on the illumination/parallax knob, then replace with a new CR2032 Battery.



For more information on MOA and MRAD, scan the QR code above for an in depth video from Riton University





## MOUNTING YOUR RITON RED DOT

### TO MOUNT YOUR RITON RED DOT:

1. Place the red dot on the picatinny rail of your weapon.
2. Before tightening the QD Mount, adjust for maximum eye relief to avoid injury from recoil.
3. Tighten the lever on the QD Mount.



For more information on Mounting, scan the QR code above for an in depth video from Riton University

# BORE SIGHTING

Bore sighting is a preliminary procedure to achieve proper alignment of the scope with the rifle's bore. Initial bore sighting of the red dot will decrease the amount of time and ammunition you need to use at the range.

This can be done by using a mechanical or laser bore sighter according to the manufacturer's instructions or by removing the bolt and sighting through the barrel on some rifles.

## TO BORE SIGHT YOUR RED DOT:

1. Place the rifle solidly on a rest and remove the bolt or bolt carrier group.
2. Sight through the bore at a target approximately 50 yards away.
3. Move the rifle and the rest until the target is visually centered inside the barrel.
4. With the target centered in the bore, make windage and elevation adjustments until the dot is also centered over the target.

Note - If a laser bore sighting or any other similar device inside the bore was used, it must be removed before firing. An obstructed bore can cause serious damage to the gun and possible injury to the shooter.

# ZEROING THE RED DOT

## IMPORTANT SAFETY CHECKS:

- Always check your weapon and surroundings for safety.
- Follow all weapon manufacturer safety guidelines.
- Always shoot from a solid rest using consistent and proper form.
- Be sure that your target is level to aid in accurate sight-in process.

## TO ZERO THE RED DOT:

1. Start the sight-in process from 25 yards. From a solid rest fire one 3-shot group, ensuring that you fire at same spot each time.
2. After the first 3-shot group, make adjustments to bring bullet impact to the center of target you're shooting at. Repeat this process at 100 yards and you will have an accurate 100 yard zero.



For more information on Bore Sighting and Zeroing your scope, scan the QR code above for an in depth video from Riton University

## TROUBLESHOOTING

Problems thought to be associated with your riflescope are often actually mount problems. Take the time to ensure the mounts are tight to the rifle and that scope is secured and does not twist or move in the rings. Confirm that the correct base and rings are being used and that they are in the proper orientation. Be sure to torque your rings per the manufacturer's spec

Keep in mind there are many issues that can cause poor bullet grouping. Always utilize a solid rest and maintain good shooting technique. Have a qualified gunsmith look over your rifle to be sure all things are in working order. See that the action and barrel are properly cleaned. Some rifles and ammunition don't work well together, try different ammunition and see if accuracy improves.

## RITON PROMISE WARRANTY

As a part of the Riton Promise we believe in providing you with the best possible service, including the industry's best warranty. The quality of our products makes this the best warranty you'll likely never have to use; however, as hunters and outdoorsmen and women, we know that bad things sometimes happen to even the most cautious.

### OUR WARRANTY IS SIMPLE:

- No proof of purchase or registration required for your Riton products.
- Lifetime warranty regardless of original purchaser.
- All warranty replacements will receive a brand-new product off the shelf. We will not ever replace the product with a repaired or refurbished product.
- Replacement product will be shipped within 48 hours of receiving and approving your return.
- Loss, theft and/or deliberately worn and damaged products are not covered. Warranty is VOID if damage results from unauthorized repair or alteration.



1-855-39-RITON

INFO@RITONOPTICS.COM

RITONOPTICS.COM