



PLEASE READ THIS FIRST!



PRIMARY ARMS®

**ADVANCED MICRO RED DOT
WITH REMOVABLE BASE**

MPN: MD-RB-AD

UPC: 8 18500 01192 7



FREQUENTLY ASKED QUESTIONS

1. Why is the front lens angled?

The objective lens is angled to reflect the dot projected by the emitter to the eye of the user. This allows the emitter to be placed out of the way (at the 4 o'clock position), allowing an unobstructed field of view.

2. Why does the glass look tinted?

The objective glass features optical coatings that improve clarity and light transmission while also reducing glare. A slight blue-green tint is normal when looking through the red dot.

3. My dot does not look round or I see multiple dots, what is wrong?

If the red dot does not appear to be perfectly round, the distortion may be caused by the way your eye perceives the dot. A simple test to verify the optic is working properly is to hold the optic in your hand and rotate it. If the shape of the dot remains unchanged as you rotate it, then lens in your eye is causing the distortion. If the distorted shape does rotate, then it could be a mechanical defect and you should contact us. Shooting with both eyes open and focusing on the target instead of the dot will greatly reduce or eliminate the effect in most cases.

ACHIEVING A CLEAR SIGHT PICTURE

If you wear prescription glasses or contact lenses, make sure to put them on before looking through the sight. To achieve a clear, crisp dot, look through the sight and focus on the target, not the dot. Shoot with both eyes open! It can also be helpful to turn the dot's brightness down a bit, until the dot can just be seen clearly contrasted against the background.

BRIGHTNESS CONTROLS

Your red dot comes with a total of eleven brightness settings, two of which are night vision compatible. The night vision settings are unable to be seen by the naked eye and can only be viewed through a separate night vision device. The number located at the 12 o'clock position at the top of the illumination knob indicates the unit's current power level. Turning the illumination knob counterclockwise until it stops will turn the red dot completely off.

ZEROING

The optic is delivered in a centered position. Normally, this means that only small adjustments are necessary, if the mount is properly aligned. If you have a red dot magnifier, sight in without using the magnifier. Work your way to "zero" by adjusting each turret only a few clicks at a time. Remove the windage and elevation adjustment caps and use the tabs built into the cap tops to turn them as follows:

- To move the point of impact to the right, turn the windage adjustment screw counter clockwise.
- To move the point of impact to the left, turn the windage adjustment screw clockwise.
- To move the point of impact up, turn the elevation adjustment screw counter clockwise.
- To move the point of impact down, turn the elevation adjustment screw clockwise.

Every click will shift the position of the dot by 1 MOA. The maximum total adjustment range for both windage and elevation is 60 MOA. If you suddenly encounter resistance, do not try to force the screw further, this can break the mechanism and render the sight unable to zero. Confirm zero by firing at least three shots at a zeroing target. After initial firing, check that the optic and mount are secure on your firearm. Check your impact points on the target to confirm accuracy and repeat until you are satisfied that the point of aim and the point of impact coincide at your desired range.

BATTERY

MD-RB-AD uses a single CR2032 battery. The battery cap is located on the illumination knob and unscrews counterclockwise. The positive (+) side of the battery faces out towards the cap. Rechargeable batteries are not recommended and can potentially damage the electronics. Your MD-RB-AD will operate an estimated 50,000 hours at a medium setting.

MD-RB-AD FEATURES





MOUNTING OPTIONS AND THE REMOVABLE BASE

The included Picatinny base works well with rifles and shotguns which use a stock positioned lower than their rail mounting surface. A riser mount is required for rifles like AR-15s which use a “straight line stock,” with the mounting surface at the same level as the stock.

Primary Arms sells a variety of riser mounts to suit different applications. Many shooters enjoy the microdot’s ability to “co-witness” with fixed iron sights. While looking at the target through the iron sights, an **absolute co-witness** mount will place the 2 MOA dot in the middle of the optic’s field of view. A **lower 1/3rd co-witness** mount places the optic somewhat

higher; while looking through the iron sights, the dot will appear near the bottom of the optic’s field of view.

Turning the red dot upside down reveals four small T-10 Torx screws holding the Picatinny base in place. With the base removed, the bottom of the optic is compatible with industry standard microdot mounts. When attaching the Picatinny base or another mount, apply a small amount of blue thread-locker to the screws. Do not overtighten them! A larger Phillips-head type screw is also located underneath the optic. It is the nitrogen gas port; do not attempt to adjust that screw or the nitrogen may vent from inside the optic, compromising function.

DOT SIZE AND MAGNIFIER USE

MD-RB-AD features a 2 MOA dot, meaning that the dot itself appears to cover roughly 2 inches of target at 100 yards. The 2 MOA dot offers an excellent compromise of both speed and accuracy.

Magnifiers can be placed behind the microdot unit, resulting in a sight picture comparable to a traditional magnified scope. When looking through the magnifier and red dot sight picture, the dot will appear to “grow” in size. The dot always stays the same size relative to the target; magnification makes it appear larger. With the magnifier in place, iron sight co-witnessing is no longer possible. Magnifiers are often mounted in quick-detach or quick-flip mounts allowing them to be removed from the rail or flipped out of the shooter’s line of sight quickly when not in use. Primary Arms carries a full line of red dot magnifiers.

LENS CARE

Please do not use any organic solvent such as alcohol or acetone on your red dot. First, blow dust or any foreign objects off of the lens. Then, use the included soft cotton cloth to clean any fingerprints or smears off of the lens. Alternatively, you may use a piece of professional lens paper for further cleaning, if necessary.

WARRANTY

Your MD-RB-AD red dot is covered by the Primary Arms Limited Lifetime Warranty. If a defect due to materials or workmanship, or even normal wear and tear, has caused your product to malfunction, Primary Arms will either repair or replace your product. You can find more details at www.primaryarmsoptics.com.

SPECIFICATIONS & FEATURES

- Removable base
- Ultra sharp 2 MOA dot
- Fully multi-coated
- Total elevation adjustment: 60 MOA
- Total windage adjustment: 60 MOA
- Click value: 1 MOA
- 50,000+ hour battery life at medium setting
- Uses 1 CR2032 battery (included)
- 11 brightness settings
- Night vision compatible (the lowest two settings)
- IP57 waterproof – 1 meter, 30 min.
- Fog resistant
- Weight: 5.4 ounces with battery
- Length: 2.54 in.
- Fits any industry standard micro mount and gives stated cowitness
- Ultra-low profile emitter
- Nitrogen purged
- 6061 aluminum
- Type II anodized matte black
- Bikini lens covers included
- Lifetime warranty



PRIMARY ARMS®

Email: info@primaryarmsoptics.com

Phone: 713-570-1910

www.primaryarmsoptics.com