

# SIGHT MARK<sup>®</sup>

## USER MANUAL



**ULTRA SHOT R-SPEC  
REFLEX SIGHT**

**SM26031 SM26031DE**

## ABOUT SIGHTMARK®

While Sightmark's MAKE YOUR MARK tagline perfectly illustrates our mission to provide uncompromising accuracy in virtually any environment, to us, those three words mean quite a bit more.

MAKE YOUR MARK represents our commitment; first, to those who serve; second, to our Constitutional right to bear arms, the right ensuring all others remain intact; and finally, every single professional and recreational shooting enthusiast embracing and sharing our Pro-2nd Amendment lifestyle.

MAKE YOUR MARK also symbolizes our desire to build more than a brand people know they can trust. It represents our higher calling to build an honorable, unapologetic legacy, truly appreciative of the fabric of a free society to pass on to future generations. Only accomplishing the latter truly embodies the gravity of what MAKE YOUR MARK means to us.

In the spirit of gratitude for those who preserve freedom as we know it to be, MAKE YOUR MARK is a call to action. One we take seriously when it comes to developing products worthy of our brand... and our lifetime warranty. The same brand countless professionals rely upon for performance in the best... and most assuredly, worst of times.



## ULTRA SHOT R-SPEC

Perfectly suited for fast, accurate action at the range, the Sightmark Ultra Shot R-Spec Reflex Sight delivers a crisp field of view with an advanced, anti-reflective, scratch resistant lens system, 4 red and green reticle options with 10 brightness settings, parallax correction (beyond 25 yds.), 1 MOA click adjustments (120 MOA of travel), Interlok internal locking adjustment system and a long, reliable battery life, from 200 to 2,000 hours on a single CR123 battery. Built tough, the IP55 weather-resistant, shockproof Ultra Shot R-Spec Reflex boasts a 6061-T6 aircraft-grade aluminum body and protective shield, recoil rating up to .50 BMG and a lifetime warranty. Includes a quick-detach picatinny mount, adjustment tools, CR123A battery, operation manual and neoprene cover.

### FEATURES:

- Rugged, lightweight aluminum alloy housing with protective shield
- Quick detach picatinny mount
- Wide lens provides quick target acquisition
- Slotted windage and elevation adjustments
- Red and green reticle illumination
- Low battery indication
- Digital switch controls
- 10 reticle brightness levels
- 1 hour auto shutoff
- Multiple reticle options
- Scratch resistant lens coating
- Interlok™ internal locking adjustment system

### INCLUDED:

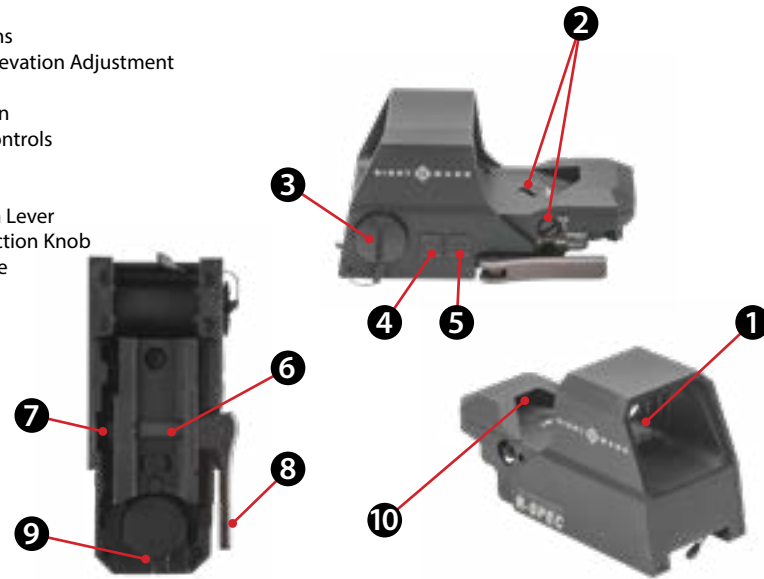
- Neoprene cover
- Adjustment tools
- Battery
- Manual

## TECHNICAL SPECIFICATIONS

Reticle type	4 Pattern - 5 MOA dot, 3 MOA dot with 50 MOA circle, 3 MOA dot with 50 MOA cross-hair, 3 MOA dot with 30 MOA circle/crosshair (subtensions total 50 MOA)	Maximum recoil	up to .50 BMG
		IP rating	IP55 - water resistant
		Lens coatings	AR Silver
		Mount type	Picatinny
Illuminated Reticle color	Red and Green	Battery type	CR123A
Brightness settings	Off, 1-10	Battery life	200-2000hrs
Magnification	1x	Operating temperature (°F)	-22 to 160
Eye relief	unlimited	Dimensions (in/mm)	4.33/110x1.96/50x2.28/58
Elevation adjustment range (MOA)	120	Weight	10.7oz
Windage adjustment range (MOA)	120		
MOA adjustment (1click)	1 MOA		
Finish/color	Matte Black 26031 Dark Earth 26031DE		
Body material	Aluminum 6061-T6		
Parallax setting	25yd		

## DIAGRAM

1. Objective Lens
2. Windage & Elevation Adjustment
3. Battery Cap
4. On/Off button
5. Brightness controls
6. Recoil Bolt
7. Tension Nut
8. Quick Detach Lever
9. Reticle Selection Knob
10. LED Aperture



## INSTALLING THE BATTERY

The Sightmark Ultra Shot R-Spec is powered by a single CR123A battery. Should the reticle illumination grow dim or fail to illuminate, the battery needs to be replaced.

### To install a new battery:

1. Unscrew the battery cap (3) counterclockwise.
2. Insert the new battery into the battery compartment with the positive (+) side inserted first.
3. Screw the battery cap on clockwise until firmly secure. Use a flat head screwdriver. Do not over tighten.

**Note:** The Ultra Shot R-Spec is equipped with low battery indication. When the battery has 2 hours of battery life remaining, the reticle will blink 4 times. Each time the unit is turned on or a button is pressed the reticle will blink 4 times to indicate low battery life. When the battery has 10 minutes of battery life remaining, the reticle will continuously blink until a new battery is installed.

## ON/OFF ACTIVATION & COLOR SELECTION

### To turn the unit on:

1. Press and release the on/off button (4) to turn on the reticle.

### To turn the unit off:

1. Press and hold the on/off button for 3 seconds.

### To change reticle color:

1. Press and release the on/off button to cycle reticle color between red and green.

**Note:** The unit will automatically shut off after 1 hour to save battery life.



## BRIGHTNESS CONTROLS

The Ultra Shot R-Spec offers 10 daytime brightness settings. Settings 1 through 5 are best for outdoor environments. Settings 6 - 8 are best for indoor environments, and settings 9 and 10 are best for low light environments.

### To adjust the brightness:

1. Press the brightness control button (5) to adjust the brightness of the dot. Each press of the button will adjust the brightness to the next lower level. Brightness levels adjust from high to low.

**Note:** The last brightness setting used prior to deactivation will be the same setting next time the unit is activated.

## RETICLE SELECTION

The Ultra Shot R-Spec offers four different reticle patterns.

### To select the desired reticle:

1. Locate the reticle selection knob (9) on the rear of the unit. Reticle symbols on the knob indicate the design selection.
2. Move the reticle selection knob left or right to change the pattern. The knob will click in place with each reticle selection. Align the reticle pattern of choice with the notch on the rear of the sight.

**Note:** After zeroing your reticle, a small shift in point of impact will occur if another reticle design is selected. This is not a defect and an inherent result due to the mechanical rotation of the reticle selection knob. The sight will need to be zeroed to the new reticle selection.



## MOUNTING

The Ultra Shot R-Spec is designed to mount to picatinny rails only. For safety, it is best to have at least three to four inches of eye relief.

### To mount:

1. To loosen the mount, open the quick detach lever (8).
2. Attach the Ultra Shot to the firearm's picatinny rail. Make sure the recoil bolt (6) is positioned in the groove of the rail.
3. Make sure the Ultra Shot is properly engaged with the firearm's base and close the lever completely. The lever should be closed to its original position.
4. Check that the Ultra Shot is secured tightly in position and is not shifting forward or backward. If the mount is too loose the sight will not hold zero. To prevent this, the mount must be tightened.
5. To adjust tension on the mount, remove the Ultra Shot from the firearm. Leave the lever in the closed position. On the opposite side of the lever is the tension nut (7). Using the included wrench tool rotate the nut to tighten or loosen the mount. Clockwise rotation of the nut will increase tension and tighten the mount. Counterclockwise rotation will decrease tension and loosen the mount. Mount the Ultra Shot again to confirm the sight is securely mounted.



Tension Nut

## OPERATING THE WINDAGE AND ELEVATION ADJUSTMENTS

The Sightmark Ultra Shot R-Spec has built-in windage and elevation adjustments (2) with audible clicks. The adjustments are slotted and can be adjusted with a coin or flathead screwdriver. The click value is 1 MOA meaning each click moves the point of impact 1" at 100 yards or ½" at 50 yards.

### In order to make windage and elevation adjustments:

1. Use a coin or flathead screwdriver to make adjustments or "clicks".
2. Turn the adjustments in the appropriate direction needed to change the point-of-impact as indicated by the "UP" and "R" arrows marked next to the adjustments.

For elevation adjustment, turn the adjustment counter-clockwise to adjust the bullet's point of impact up. Turn the adjustment clockwise to adjust the bullet's point of impact down. For windage adjustments, turn the adjustment counter-clockwise to adjust the bullet's point of impact left. Turn the adjustment clockwise to adjust the bullet's point of impact right.



## BORESIGHTING & SIGHTING IN

Boresighting and test firing should be performed safely on a firing range. Laser boresights are a quick and accurate method for sighting in. Below is listed the traditional method of boresighting and works best when the unit is mounted on a rest.

1. When mounting the sight on a bolt action rifle, remove the bolt; or when mounting to a semi-automatic rifle, disassemble the rifle until there is a straight line of sight through the bore.

## BORESIGHTING & SIGHTING IN continued

2. Use a target at least twenty-five yards to fifty yards away when sighting in the sight. Look through the bore of the weapon and locate the bull's-eye of the target.
3. Sight in the target through the bore and then make windage and elevation adjustments (see "Operating Windage and Elevation Adjustments" for instructions) to the sight until the reticle is centered on the bull's-eye.

To verify the sight is accurately sighted in, always fire a three-shot test group at 50 or 100 yards preferably using the same ammo manufacturer, grain, and lot number.

4. After firing a group use the center of this grouping and make the necessary amount of adjustments to the elevation and windage adjustments to move your firearm's grouping to the center of the target.
5. Again fire a three-shot test group to confirm the adjustments. Use the center of the new group to determine final adjustments.

## MAINTENANCE

Proper maintenance of the Sightmark Ultra Shot is recommended to ensure longevity. It is recommended that when the sight becomes dirty that it is wiped down with a dry or slightly damp cloth. Blow dirt and debris off all optics and then clean lenses with a lens cleaning cloth. To remove oils or dried water spots, apply a small amount of denatured alcohol to a lens cloth or cotton swab. Clean the surface of the objective lens (1) or LED aperture (10) and let dry. Finally use your breath to clean the lens once more. No further maintenance is required. Do not attempt to disassemble any components of the sight.

## STORAGE

Make sure that your Sightmark Ultra Shot is securely attached to your rifle before storing, and be sure that the reticle illumination is turned off. Cover with the included neoprene cover. Remove the batteries if the unit will be stored for an extended period of time.

## WARNING

Before handling the Sightmark Ultra Shot read and understand the contents of your firearm's manual, and the Sightmark manual. Follow all standard safety precautions and procedures during firearm operation, even when the reflex sight is not in use.

- Avoid hitting or dropping the unit
- **ALWAYS** check that the chamber of your weapon is clear before mounting or dismounting the reflex sight.
- The reticle illumination should be tested during periods of non-use to make sure it is still operating properly. Failure to follow standard firearm safety precautions and procedures, as well as the above warnings, is dangerous and may result in serious injury, damage to property, or death.

## TROUBLESHOOTING

Proper authorization is required before shipping any product back to Sightmark. Failure to obtain authorization could result in your product being returned to the wrong address, lost, or damaged. Sightmark is not liable for products returned without authorization.

### **Sight does not hold zero:**

1. Verify the sight is mounted securely to the rifle. If the sight can be shifted in any direction, tighten the mounting tension nut according to the mounting instructions but do not over tighten. The sight will need to be re-zeroed afterwards.
2. Be sure to use factory-loaded ammunition of the same bullet type, weight, and, preferably lot number when sighting in.

### **The reticle does not illuminate:**

1. Check that the battery is in working order and that the polarity of the battery is correct.
2. Check that there is no residue, film, or corrosion on the battery contacts that may be preventing the reticle from illuminating.
3. Check that the contact springs in the battery compartment are not bent.
4. Make sure there is no object blocking the light path between the LED aperture (10) and objective lens (1).

### **The reticle is blurry and not in focus:**

1. Decrease the brightness level of the reticle. The halo or fuzzy appearance is caused by excess illumination than is required for the current environment the sight is being used in.
2. Make sure the objective lens and LED aperture is clean and does not have any film, fingerprints, or debris covering the surface. Blow off any debris or dirt covering the lens. Use a lens cloth or cotton swab dipped in alcohol to remove any film or fingerprints.
3. If you are testing the product at a close range, 5 yards or less, to verify its on/off operation the eye will accommodate and focus either on the sight's reticle or the target you are observing not both. Test the product beyond 5 yards and

focus your eye on the target, then the reticle and target should be in focus.

4. If you are near-sighted the reticle will appear blurry without corrective vision (glasses, contacts). The reticles are parallax fixed at a distance of 25 yards depending on the model. This is the same as looking at an object at that distance. Without proper corrective vision for near-sighted users, the reticle will always appear blurry.

### **The reticle illumination turns off while firing:**

1. Make sure any internal contact springs are not bent. Tighten the battery cap with a coin or flathead screw driver so the cap is fully seated

## **SIGHTMARK WARRANTY**

Please visit [www.sightmark.com](http://www.sightmark.com) for warranty details and information.

## **ADDITIONAL LANGUAGES**

Please visit [www.sightmark.com](http://www.sightmark.com) for additional languages of this manual.





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