

SIGHT MARK[®]

USER MANUAL



**CORE SHOT A-SPEC FMS
REFLEX SIGHT**

SM26017



**CORE SHOT A-SPEC LQD
REFLEX SIGHT**

SM26018

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.

CORE SHOT A-SPEC SERIES

For your avid shooters, who like to be out on the range, the Sightmark Core Shot A-Spec FMS and LQD Reflex Sights stimulate precision accuracy and reliability in high-stakes competition shooting and hunts of a lifetime. Designed to deliver elite optic performance, Core Shot A-Spec Reflex Sight guarantees precision for all recreational, professional and competitive environments. The Core Shot bridges the gap between the Mini Shot and Ultra Shot for all customers wanting a compact sight. It is made out of aircraft grade 6061-T6 aluminum, for a dependable compact lightweight housing. The sight includes windage and elevation click adjustments to dial in quickly and an external battery compartment for easier access to the battery. Includes a riser mount to work effectively on AR's.

FEATURES:

- Aluminum alloy housing
- IP55 Water resistant
- Shockproof
- Scratch resistant
- Wide lens
- Slotted windage and elevation adjustments
- Night vision compatible
- Low battery indication
- Auto shutoff

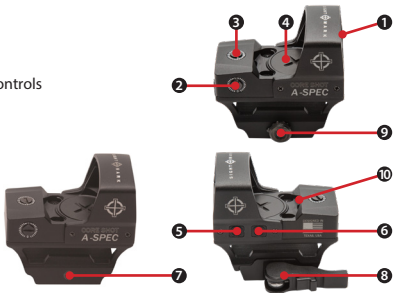
TECHNICAL SPECIFICATIONS	SM26017	SM26018
Reticle type	5 MOA dot	5 MOA dot
Reticle color	Red	Red
Reticle brightness settings	Off, 0 - 8 NV 1 - 2	Off, 0 - 8 NV 1 - 2
Magnification (x)	1	1
Objective lens diameter (mm)	28 x 18	28 x 18
Eye relief (mm)	Unlimited	Unlimited
Windage/Elevation maximum adjustment range (MOA)	100	100
MOA adjustment (one click)	1	1
Battery type	CR2032	CR2032
Battery life (hours)	20 - 1,400	20 - 1,400
IP Standard (water rating)	IP55 - water resistant	IP55 - water resistant
Body material	Aluminum 6061-T6	Aluminum 6061-T6
Lens coatings	AR red	AR red
Mount type	Picatinny	Picatinny

TECHNICAL SPECIFICATIONS	SM26017	SM26018
Operating temperature (°F/°C)	-22 to 160 / -30 to 71	-22 to 160 / -30 to 71
Length (in/mm)	2.3 / 59	2.3 / 59
Width (in/mm)	1.2 / 30	1.9 / 48
Height (in/mm)	2.2 / 56	2.2 / 56
Weight (oz)	4.4	4.9

INCLUDED ACCESSORIES
Neoprene cover
Adjustment tools
Battery
Manual

DIAGRAM

1. Objective lens
2. Elevation adjustment
3. Windage adjustment
4. Battery cap
5. On/Off button, brightness controls
6. Night vision mode
7. Fixed mount
8. Quick detach lever
9. Tension nut
10. LED aperture



INSTALLING THE BATTERY

The Sightmark Core Shot A-Spec is powered by a single CR2032 battery. Should the reticle illumination grow dim or fail to illuminate, the battery will need to be replaced.

To install a new battery:

1. Unscrew the battery cap (4) 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:

1. The Core Shot A-Spec is equipped with automatic shutoff. To save battery life, the unit will turn off after 1 hour of use
2. The Core Shot A-Spec is equipped with low battery indication. When the battery has 1 hour of battery life remaining, the reticle will blink every 2 seconds.

ON/OFF ACTIVATION

To turn the unit on:

1. Press and release the on/off button (5) to turn on the reticle. The unit can also be turned on in NV mode by pressing the NV (6) mode button.

To turn the unit off:

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

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

BRIGHTNESS CONTROLS

The Core Shot A-Spec offers 8 daytime brightness settings and 2-night vision settings. Settings 1 through 5 are best for outdoor environments while settings 6 - 8 are best for indoor environments.

To adjust the brightness:

1. Press the on/off 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.



To switch to NV mode:

1. Press the NV mode button (6). Each press of the NV mode button will change the reticle brightness. Each press of the button will adjust brightness to the next lower level.
2. To return to daytime brightness mode, press the on/off button. The reticle will return to the last daytime brightness setting used.

Note: When the unit is off, pressing the NV mode will start the unit in NV mode. The last brightness setting used in daytime and NV mode prior to deactivation will be the same setting next time the unit is activated in that specific daytime or NV mode.

MOUNTING

The Core Shot A-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 the Core Shot A-Spec FMS:

1. Loosen the two mounting screws (7) on the side of the sight.
2. Place the unit on your firearm rail with the objective lens (1) facing towards the muzzle.
3. Confirm the sight is sitting flat on top of the rail and that the cross bolt is located between the grooves on the rail.
4. When the sight is in place, tighten each mounting screw evenly with the included hex key. Tighten to 55 to 65 in/lbs. of torque.

MOUNTING (continued)

To mount the Core Shot A-Spec LQD:

1. To loosen the mount, slide back the lock on the quick detach lever. Flip open the quick detach lever (8) on the side of the sight.
2. Attach the Core Shot to the firearm's picatinny rail. Make sure the recoil bolt is positioned in the groove of the rail.
3. Make sure the Core 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 Core 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 Core Shot from the firearm. Leave the lever in the open position. On the opposite side of the lever is the tension nut. Using your fingers 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 Core Shot again to confirm the sight is securely mounted.



OPERATING THE WINDAGE AND ELEVATION ADJUSTMENTS

The Sightmark Core Shot A-Spec has built-in windage and elevation adjustments (2, 3) 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.

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 and SIGHTING IN

1. 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.
2. 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.
3. 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.
4. 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.

5. 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.
6. 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 Core 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 Core 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 Core 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).

TROUBLESHOOTING (continued)

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 is blurry and not in focus:

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 for warranty details and information.

ADDITIONAL LANGUAGES

Please visit www.sightmark.com for additional languages of this manual.

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www.sightmark.com