

S I G H T  M A R K [®]

USER MANUAL



REFLEX SIGHT

Ultra Shot M-Spec LQD

Ultra Shot M-Spec FMS

SM26009
SM26010

ABOUT SIGHTMARK®

Sightmark offers a wide range of products that include red dot scopes, reflex sights, rangefinders, riflescopes, laser sights, night vision and award-winning flashlights and boresights. Sightmark products are inspired by military and law enforcement applications. All products are designed to be the most effective weapon accessories possible.

Sightmark - MAKE YOUR MARK

S I G H T  M A R K®

www.sightmark.com

ULTRA SHOT M-SPEC LQD

SM26009

The new Sightmark Ultra Shot M-Spec LQD Reflex Sight seamlessly adapts to meet the requirements of any shooting environment. With its digital control switch, users can adjust up to eight daytime brightness level settings and six night vision modes yielding superior variability. The magnesium alloy housing converges with the sustained performance of up to 1,000 hours of battery life to provide exceptional functionality. The all new locking quick detach mount ensures the sight remains secured to the weapon. The device features a fully submersible shockproof frame for up to .50 caliber recoil, and a protective hood shielding it from impact. The Ultra Shot M-Spec LQD is also equipped with a dual-pane, parallax corrected lens system providing accurate shooting from 10 yards to infinity.

ULTRA SHOT M-SPEC FMS

SM26010

The new Sightmark Ultra Shot M-Spec FMS (Fixed Mount Standard 1913 Picatinny) Reflex Sight seamlessly adapts to meet the requirements of any shooting environment. With its digital control switch, users can adjust up to eight daytime brightness level settings and six night vision modes yielding superior variability. The magnesium alloy housing converges with the sustained performance of up to 1,000 hours of battery life to provide exceptional functionality. The fixed mount design provides a solid mounting solution plus a streamlined design with no snag points. The device features a fully submersible shockproof frame for up to .50 caliber recoil, and a protective hood shielding it from impact. The Ultra Shot M-Spec FMS is also equipped with a dual-pane, parallax corrected lens system providing accurate shooting from 10 yards to infinity.

FEATURES:

- Locking quick detach weaver mount (SM26009)
- Fixed mount design fits weaver/picatinny rails (SM26010)
- Advanced, true color anti-reflective lens coating improves low light and night vision performance
- Motion sensing auto-on feature
- Cast magnesium alloy housing with protective shield
- IP68 Waterproof rating - submersible to 40ft
- Low power consumption
- Digital switch controls
- Variable reticle brightness with night vision modes
- Interlok™ internal locking system
- Scratchproof lenses
- Lightweight
- Shockproof (.50cal)

INCLUDED:

- Neoprene cover
- Adjustment tools
- Battery
- Manual

TECHNICAL SPECIFICATIONS

	SM26009	SM26010
	65 MOA Circle Dot Crosshair (60 MOA circle w/ 5 MOA subtension, 2 MOA central dot)	65 MOA Circle Dot Crosshair (60 MOA circle w/ 5 MOA subtension, 2 MOA central dot)
Reticle type		
Reticle color	Red	Red
Illuminated reticle	yes	yes
Brightness settings	Off, 1-6, NV1 - NV6	Off, 1-6, NV1 - NV6
Magnification	1x	1x
Window dimension, mm	33x24	33x24
Window material	glass	glass
Field of view (m@100m)	35	35
Field of view (ft@100yd)	105	105
Eye relief	unlimited	unlimited
Elevation adjustment (MOA)	120	120
Windage adjustment (MOA)	120	120
MOA adjustment (1click)	1 MOA	1 MOA
Finish/color	Matte black	Matte black
Body material	Magnesium alloy	Magnesium alloy
Parallax setting	10yd	10yd
Maximum recoil	up to .50 cal	up to .50 cal
IP rating (waterproof)	IP68 - submergible to 40ft	IP68 - submergible to 40ft
Shockproof	yes	yes
Fog proof	no	no
Lens coatings	AR red	AR red
Mount type	weaver/picatinny	weaver/picatinny
Battery type	CR2	CR2
Battery life	90-1000 hours	90-1000hours
Battery voltage	3V	3V
Operating temperature	-20 to 140 °F	-20 to 140 °F
Dimensions (mm)	103x58x61	103x49x61
Weight	8.6oz	7.5oz

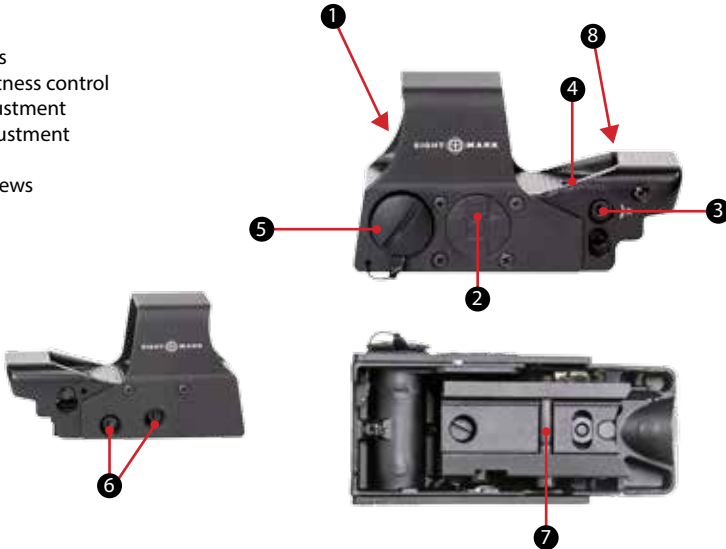
ULTRA SHOT M-SPEC LQD DIAGRAM

1. Objective lens
2. On/off, brightness control
3. Windage adjustment
4. Elevation adjustment
5. Battery cap
6. Locking quick detach lever
7. Adjustable nut
8. Crossbolt
9. Aperture



ULTRA SHOT M-SPEC FMS DIAGRAM

1. Objective lens
2. On/off, brightness control
3. Windage adjustment
4. Elevation adjustment
5. Battery cap
6. Mounting screws
7. Crossbolt
8. Aperture



INSTALLING THE BATTERY

The Sightmark Ultra Shot M-Spec LQD Reflex Sight and the Ultra Shot M-Spec FMS Reflex Sight are powered by a CR2 battery. Should the reticle grow dim or not illuminate, the battery needs to be replaced. To install a new battery:

1. Unscrew the battery cap (5) counterclockwise with a coin or flathead screw driver.
2. Insert the new battery with the positive (+) side facing down
3. Screw the battery cap on clockwise until firmly secure. Do not over tighten.

OPERATING THE ON/OFF SWITCH

In order to activate the Sightmark Ultra Shot M-Spec LQD or Ultra Shot M-Spec FMS Reflex Sight:

1. Locate the on/off switch (2) on the left side of the unit.
2. Press the top of the digital switch marked "On" to turn on the unit.
3. To change brightness of the reticle use the left and right buttons marked with arrows.
4. To turn off, press and hold the top button marked "On" for three seconds.

Note: both the Sightmark Ultra Shot M-Spec LQD and Ultra Shot M-Spec FMS Reflex Sight come equipped with a motion sensing auto on and auto shutoff. If the weapon is left motionless for 5 minutes, the reticle will turn off saving battery life. Any movement of the rifle will automatically turn the unit back on to the last brightness setting used.

USING NIGHT VISION MODE

The Ultra Shot M-Spec LQD and the Ultra Shot M-Spec FMS are equipped with a night vision mode feature. This mode significantly decreases reticle brightness allowing the sight to be used in conjunction with night vision systems like the PVS-14 night vision system. There are six night vision brightness levels that can be used with generation 1, 2, and 3 night vision systems. To activate night vision mode:

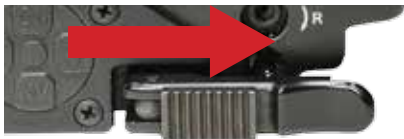
1. Press the bottom button marked "NV". To change the brightness settings in NV mode use the left and right buttons marked with arrows.
2. To turn off, press and hold the top button marked "On" for three seconds.

MOUNTING THE ULTRA SHOT M-SPEC LQD (SM26009)

The Sightmark Ultra Shot M-Spec LQD includes an integrated rail that fits standard weaver and picatinny rails. The quick detach mount allows for the unit to be quickly attached and detached from a firearm. The Sightmark Ultra Shot M-Spec LQD features a locking quick detach lever to prevent the unit from accidentally detaching from the firearm. For safety reasons, allow at least 3 inches of clearance between the end of the Ultra Shot and your eye when shooting.

To mount:

1. Slide back the lock on the quick detach lever. Flip open the quick detach lever (6) on the side of the sight. This will loosen the mount.



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 crossbolt (8) is located between the grooves on the rail.
4. When the sight is in place, flip the quick detach lever back until it locks in place.

To adjust the mount:

5. Remove the sight from the weaver mount. Underneath the unit is an adjustable nut (7) that when loosened or tightened adjusts the width of the mount. Adjust as needed with the included wrench tool.
6. Repeat steps 1-6 until the reflex sight mounts securely to the firearm.

MOUNTING THE ULTRA SHOT M-SPEC FMS (SM26010)

The Sightmark Ultra Shot M-Spec FMS includes an integrated rail that fits standard weaver and picatinny rails. For safety reasons, allow at least 3 inches of clearance between the end of the Ultra Shot and your eye when shooting.

To mount:

1. Loosen the two mounting screws (6) 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 crossbolt (8) 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.

OPERATING THE WINDAGE AND ELEVATION ADJUSTMENTS

In order to make windage and elevation adjustments (3, 4) the included allen wrench is needed. "UP" and "R" (right) are marked on the sight for adjustment reference. Rotate the adjustment with the allen wrench as needed to adjust the reticle to the point of impact. The windage and elevation adjustments are 1 MOA, meaning that 1 click moves the point of impact 1 inch at 100 yards, $\frac{1}{2}$ " at 50 yards, and $\frac{1}{4}$ " at 25 yards.

In order to make windage and elevation adjustments:

1. Use the included hex tool 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" (left) arrows marked on the adjustments.
3. 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 clockwise to adjust the bullet's point of impact right. Turn the adjustment counter-clockwise to adjust the bullet's point of impact left.

BORESIGHTING AND 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.
2. Use a target at least twenty 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 reflex 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 M-Spec LQD Reflex Sight or the Sightmark Ultra Shot M-Spec FMS Reflex Sight 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 lens 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 M-Spec LQD or Sightmark Ultra Shot M-Spec FMS Reflex Sight is securely attached to your rifle before storing, and be sure that the unit 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 M-Spec LQD or Ultra Shot M-Spec FMS read and understand the contents of your firearm's manual, and the Sightmark reflex sight 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.
- ALWAYS remove the reflex sight when cleaning, or performing other maintenance on your firearm.
- The reflex sight 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.

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.

If the Ultra Shot M-Spec LQD or Ultra Shot M-Spec FMS does not hold zero:

1. Verify the sight is mounted securely to the rifle. If the sight can be shifted in any direction, re-tighten the mounting 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. Make sure the unit is not set on a night vision mode.

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 aperture are clean and do not have any film, fingerprints, or debris covering the surface. Blow off any debris or dirt covering the lens. Use a lens cloth or q-tip 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 it's 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.

The reticle illumination turns off while firing:

1. Tighten the battery cap with a coin or flathead screw driver so the cap is fully seated. The spring contact under the battery cap may also be pulled up slightly in order to increase tautness so contact is ensured.



SIGHTMARK LIMITED WARRANTY

Please visit www.sightmark.com for warranty details and information.

S I G H T  M A R K[®]

www.sightmark.com