

SIGHT  MARK[®]

USER MANUAL



**MINI M-SPEC SOLAR M2/M3
MICRO REFLEX SIGHT**

SM26048-SM26050

ABOUT SIGHTMARK®

Founded to meet the changing needs of the outdoor industry and its customers, Sightmark® was introduced at SHOT Show 2007 in response to the growing popularity of the modern shooting market. The goal was to provide state-of-the-art optics and accessories to make the modern sporting rifle, shotgun and pistol as accurate as possible. In addition, each product is designed for the core market, enabling shooters to purchase more high quality items to accessorize their firearm for hunting, home defense and competition shooting.

In 2011, the new 3066 m² headquarters was completed in Mansfield, Texas, combining the company's corporate offices and a large warehouse to handle the increase in sensitive material and technology being produced. The new facility provides more space for research and development, production, and distribution of defense-related products.

Best-selling products include red dot sights, riflescopes and chamber laser bore sights. More than one million Sightmark boresights are in use since first released to the market. Sightmark has earned several patents and awards from industry associations and publications including Field & Stream, Optics Planet, Outdoor Life and Predator Xtreme. Numerous optics and accessories have been field tested and approved by prominent outdoor organizations such as the North American Hunting Club and the National Tactical Officers Association.

Currently, Sightmark represents leading markets growing in more than 55 countries and many quality retailers in every state. Products are sold by top retailers and national specialty chains such as: Academy Sports & Outdoors, Bass Pro Shops, Cabela's, Frankonia and many more.



MINI M-SPEC SOLAR M2/M3 MICRO REFLEX SIGHT

The Sightmark Mini Shot M-Spec M2 and M3 Solar is Ideal for short- to medium-range engagements and features anti-reflective, scratch-resistant glass, a crisp 3-MOA red-dot reticle and automatic brightness adjustment for varying light conditions. A top-mounted solar panel, combined with CR1620 batteries, delivers up to 20,000 hours of battery life while a rugged, aluminum, fully-enclosed design and IP67 waterproof rating ensure years of reliability. The M2 and M3 Solar is shockproof, fogproof, temperature rated from -22F to 122F, and recoil rated up to .45 ACP. The M3 mounts on Weaver and Picatinny rails, and it fits pistols with the RMS-C® Footprint instead of the RMR® the M2 is compatible with. Slightly smaller than the M2, the M3 is just as durable. Both models are made from aluminum and with a matte-black finish. Their fully IP67 waterproof and shockproof for drops up to 3ft and able to operate in temperatures ranging from -22F° to 122F°.

FEATURES:

- Solar Powered
- Automatic brightness adjustment
- IP67 Waterproof
- Fully Enclosed Design
- Fits pistols with RMR® footprint (SM26048)
- Fits pistols with RMS-C footprint (SM26050)

INCLUDED:

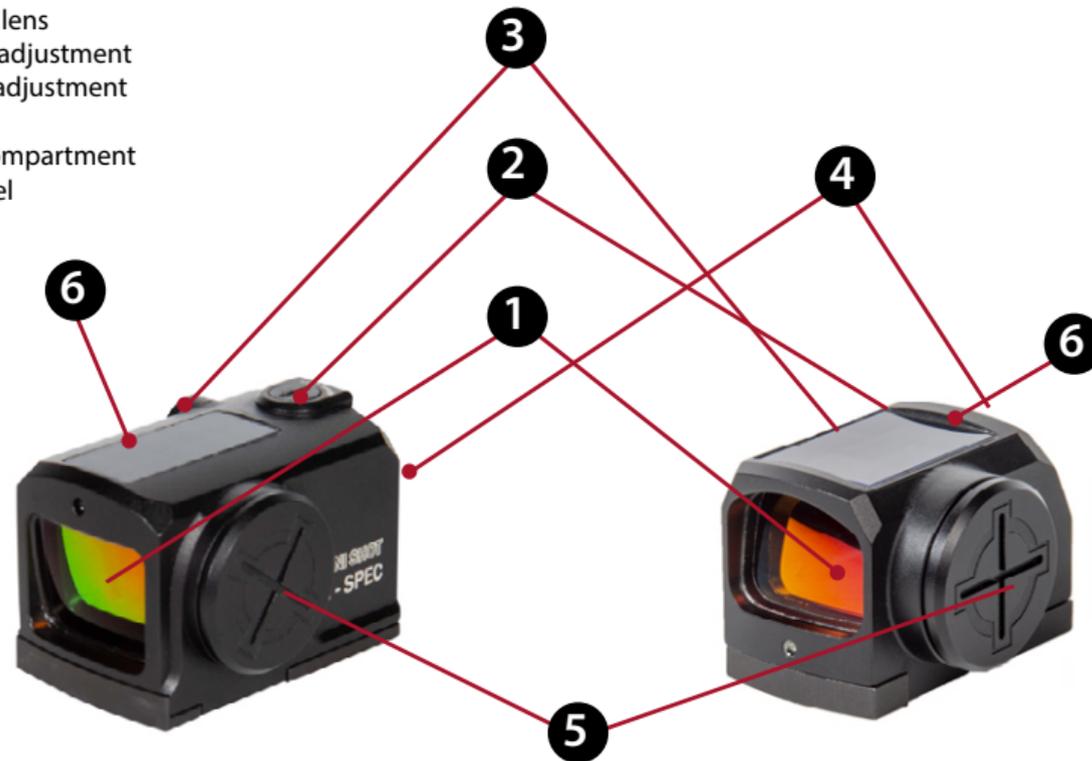
- (SM26048)
 - High/Low Profile Mount
 - CR1620 Battery
 - AR Height Mount
- (SM26050)
 - Low Profile Mount
 - CR1620 Battery

Technical Specifications:	SM26048
Magnification (x)	1
Objective (mm)	21x15mm
Eye relief	Unlimited
Coating	Fully multicoated AR red
IP Standard (water rating)	IP67
Reticle	3 MOA
MOA adjustment (1 click)	Continuous
Battery type	CR1620
Battery life (hour)	20,000 + -
Brightness settings	Auto
Max recoil (caliber)	45 ACP
Body material	Aluminum - 6061
Mount type	Weaver/Picatinny
Operating temperature (°F)	-22 to 122
Dimensions (in)	1.8 x 1.3 x 2.3
Weight (oz)	3.9

Technical Specifications:	SM26050
Magnification (x)	1
Objective (mm)	20x15mm
Eye relief	Unlimited
Coating	Fully multicoated AR red
IP Standard (water rating)	IP67
Reticle	3 MOA
MOA adjustment (1 click)	Continuous
Battery type	CR1620
Battery life (hour)	20,000 + -
Brightness settings	Auto
Max recoil (caliber)	45 ACP
Body material	Aluminum - 6061
Mount type	Weaver/Picatinny
Operating temperature (°F)	-22 to 122
Dimensions (in)	1.6 x 1.1 x 1.1
Weight (oz)	3

DIAGRAM

1. Objective lens
2. Elevation adjustment
3. Windage adjustment
4. Eyepiece
5. Battery compartment
6. Solar panel



INSTALLING THE BATTERY

The Sightmark Mini Shot M-Spec Solar Sight is powered by a single CR1620 battery. To install:

1. Unscrew the cap using a flat head tool
2. Insert battery into the battery holder with the + side facing outward.
3. Tighten the cap back on

MOUNT HEIGHTS

The Sightmark Mini Shot M-Spec Solar includes a Low Profile Mount and the M2 Solar variant includes a cowitness mount for absolute co-witness. If mounting on a bolt action hunting rifle or shotgun, the low profile mount would be preferable. If mounting on flat top AR-15 rifles, it is recommended the cowitness mount be installed for an absolute co-witness with iron sights.

To remove the base:

1. Loosen the screw/s on the right side of the unit until it comes off the Base Plate.
2. Remove the 2 screws that attach the Base Plate to the picatinny rail mount.



(Battery Cap Removed)



(Low Profile Mount)



(Mounted on
Low Profile Mount)

MOUNTING TO A PISTOL

The Sightmark Mini Shot M-Spec Solar is designed to mount to pistols with optics grooves. The M2 Solar is compatible with most RMR(TM/R) and the M3 Solar is compatible with most RMS-c(TM/R) firearms.

To mount:

1. Place the Base Plate into the optics groove. If the firearm has supplied short countersink screws use these to attach the plate to the firearm. If not, use the screws supplied with the optic.
2. Mount the optic onto the base plate and ensure that the unit is seated flat.
3. Tighten the mounting screw/s

(Notes: 1. For a more permanent mounting solution use blue Loctite and allow to fully cure before using your firearm. 2. Due to the variety of pistols and screws used, for some pistols you may need to modify the screw length or purchase additional screws.)

OPERATING THE WINDAGE AND ELEVATION ADJUSTMENTS

The Sightmark Mini Shot M-Spec Solar has built-in windage and elevation adjustments (2, 3). To make windage and elevation adjustments:

1. Use a flat head screwdriver to turn the windage and/or elevation.

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. To verify the sight is accurately sighted in, always fire a three-shot test group at 10 or 20 yards for pistols, or 50 yards for rifles, preferably using the same ammo manufacturer, grain, and lot number.

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 red dot until the reticle is centered on the bull's-eye.

To verify the reflex 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.

STORAGE

Make sure that your Sightmark Mini Shot M-Spec Solar sight is securely attached to your rifle before storing and be sure that the reticle illumination is turned off. Remove the batteries if the unit will be stored for an extended period of time.

WARNING

Before handling the Sightmark Mini Shot M-Spec sight 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.

SIGHTMARK WARRANTY

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

ADDITIONAL LANGUAGES

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

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.

If the Mini Shot M-Spec Solar 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 hex 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. 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 eyepiece lens 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 q-tip dipped in alcohol to remove any film or fingerprints.
3. If you are testing the product at ranges of 5 yards or less, to verify its on/off operation the eye will

TROUBLESHOOTING

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 screwdriver so the cap is fully seated.

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