



MEPROLIGHT®

SK GROUP MEMBER

MEPRO PISTOL OPTIC

MPO-DF

USER MANUAL

www.meprolight.com

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WARNING: Read the entire manual before mounting optic. Make sure the firearm is unloaded.

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INTRODUCTION

Thank you for purchasing your Mepro Pistol Optic (MPO). This streamlined design makes it an ideal sight for pistols, rifles, shotguns, and a variety of applications. Before operation, please read the User's Manual carefully.

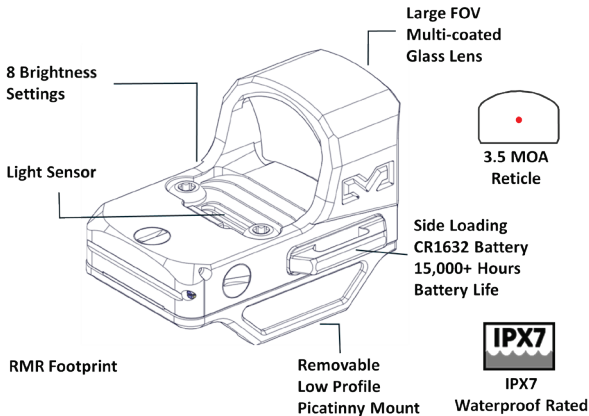
IMPORTANT INFORMATION

- Register your optic at <https://links.meprolight.com/ProductReg>.
- Ensure the firearm is unloaded and safe by removing your magazine and all ammunition from the firearm. **Verify the chamber is empty before installation and battery replacement.**
- **Read and follow the instructions in this manual carefully. Improper use or maintenance may permanently damage the product and void the warranty.**
- This manual provides description, operating, maintenance instructions, and technical specifications for the MPO-DF Mepro Pistol Optic (hereinafter referred to as "MPO").
- See Page 18 for Button Cell and Coin Battery safety.

PACKAGE CONTENTS

Description	Quantity
MPO Sight	1
CR1632 Battery	1
Slotted Screwdriver & T10 Torx Wrench	1
Mounting Screws Set (two screws per set)	2
Picatinny Mount	1
Cleaning Cloth	1
User Manual	1

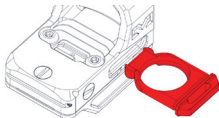
ANATOMY



KEY FEATURES

- Precision machined from aircraft-grade 6061-T6 Aluminum with anodized matte black Finish.
- 3.5 MOA reticle.
- User selectable automatic or manual brightness modes. Manual mode features 8 brightness settings.
- Powered by a CR1632 lithium battery which provides over 15,000 hours of battery life at the medium brightness setting.
- 1 MOA per click windage and elevation adjustment.
- Footprint: RMR®.
- Optional low profile Picatinny mount.
- Aiming reference mark on the rear of the optic.

BATTERY INSTALLATION



Using a flathead, pull the side loading battery tray out from the optic.



Place the CR1632 battery into the tray with the positive (+) side facing up. Reinsert the battery tray and battery into the optic.



Test for function by applying a single press to the left side activation button; the optic should turn on.

OPTIC INSTALLATION

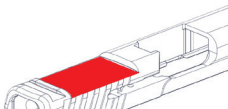
WARNING: Before starting, ensure the pistol is unloaded by removing the magazine and confirming the chamber is empty.

- The MPO mounting base is compatible with the RMR® standard footprint.
- Your MPO optic includes #6-32 and #4-40 Torx mounting screws that will fit most mounts, optics-ready slides, and aftermarket milled slides using the RMR® footprint.
- Your MPO optic also includes #6-32 Torx mounting screws for Picatinny mount.
- All the supplied screws include a pre-applied locking compound to hold screws securely in place.

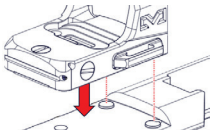
NOTE: Some optics-ready pistol platforms come included with screws and/or adaptor plates that may be better suited for installing your MPO optic. **It is important to read the manufacturer's procedures in addition to ours.**

- When using other screws without pre-applied locking compound, apply LOCTITE® 243 threadlocker. Allow a minimum of 3 hours for curing.
- The recommended torque value is 15 in-lbs.

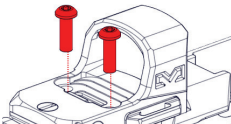
RMR® Footprint



If applicable, remove the slide's cover plate to gain access to the slide's optic interface.

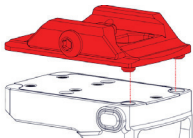


Place the MPO onto the slide ensuring all screw holes are aligned and the optic is seated flush.

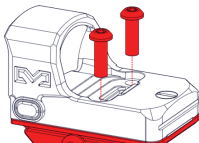


Install the two mounting screws. Tighten with a recommended torque of 15 in-lbs. (max).

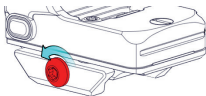
Picatinny Mount



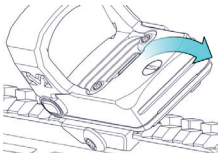
Place the Picatinny adapter onto the optic, ensuring the short posts align with the holes.



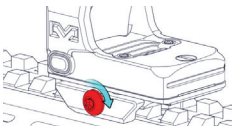
Install the two mounting screws. Tighten to 15 in-lbs.



Loosen the screw securing the locking plate.

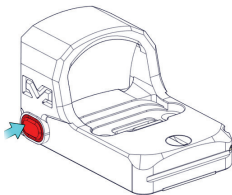


Tilt the MPO to the left as shown and mount it on the adapter.



Tighten the screw. Ensure that the MPO is firmly secured on the adapter.

OPERATION



Power ON: Apply a single press to the left side activation button.

When the MPO is turned on, the optic defaults to its automatic brightness setting mode using its light sensor upon activation.

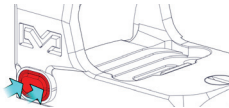
Power OFF: Press and hold down the left side activation button for approximately 7 seconds.

RETICLE BRIGHTNESS

Automatic Brightness Mode: Using its light sensor, the MPO will automatically adjust brightness based on the amount of surrounding light in the immediate environment.



Manual Brightness Mode: To switch to manual mode, apply a single press to the left side activation button. Manual mode will default to the optics highest brightness setting.



Each single press to the left or right side activation button cycles through each brightness setting.

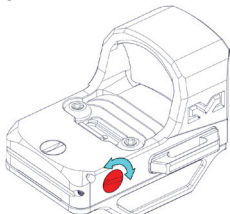


Switching back to Automatic Brightness

Mode: Press and hold down the left side activation button for approximately 3 seconds. The reticle will blink 4 times, signifying the changeover to Automatic Brightness Mode.

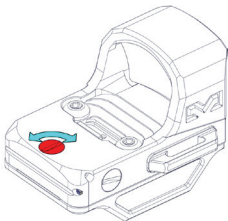
ZEROING

Your MPO comes out of the box mechanically centered within the adjustment range. Make adjustments with the supplied flathead tool. Each adjustment click equals 1 MOA.



Windage Adjustment: To move the Point of Impact (POI) to the right, turn the windage adjustment screw located on the right-hand side of the MPO counterclockwise.

To move the POI to the left, turn the windage adjustment screw clockwise.



Elevation Adjustment: To move the POI up, turn the elevation adjustment screw located on the top rear of the MPO counterclockwise.

To move the POI down, turn the elevation adjustment screw clockwise.

The MPO is zeroed when the point of impact (POI) overlaps the point of aim (POA) at your specified target distance.

TROUBLESHOOTING

Problem	Cause	Solution
Reticle not visible	Dust or debris blocking the Reticle Projection Window or the Light Sensor	Clean as required. Refer to Care and Maintenance section.
	The MPO is powered OFF	Power ON
	Reticle illumination level is too low	Increase reticle illumination
	Depleted battery	Replace battery
	Battery inserted incorrectly	Check battery to ensure it is installed with the positive “+” side facing upward
Not holding zero	Optic is not properly mounted	Check installation and mounting screw tightness

CARE AND MAINTENANCE

- Maintain the finish of your MPO optic by wiping any dirt or sand with a clean, soft cloth.
- Do not touch the lens with your fingers.
- Avoid contact with acid, alkaline, or corrosive chemicals.
- Remove the battery if it is being stored for an extended period.
- Do not attempt to lubricate any part of the MPO.
- Do not disassemble the MPO. This will void the warranty.

SPECIFICATIONS

Parameter	Spec
Footprint for	RMR®
Mounting Screw Torque	15 in-lbs.
Dimensions (L x H x W)	1.85" x 1.02" x 1.1"
Window Dimensions (H x W)	0.68" x 0.89"
Weight (w/Battery)	1.2 oz.
Body Material and finish	6061-T6 Aluminum; Hard Anodized
Battery Type	CR1632 3V (Side Load)
Battery Life (Medium setting)	15,000+ hrs
Lens	Aspherical Glass
Reticle	Red 3.5 MOA Dot
Brightness Levels	8
Illumination Mode	Auto & Manual
W/E Adjustment per click (100 yds)	1 MOA
Parallax	Free
Waterproof Rating	IPX7

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**.
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



⚠ WARNING

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. **DO NOT** dispose of batteries in fire.
- Even used batteries may cause severe injury or death.
- Seek medical attention immediately if ingested or inserted.
- Battery type: CR2032
- Battery voltage: 3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury/burns, explosion, or fire.

⚠ BATTERY WARNING

- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries and keep them away from children.



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