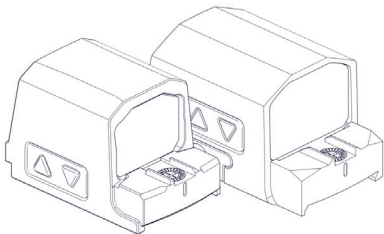




MPO PRO-S/F

Mepro Pistol Optic



USER MANUAL

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Important Information

Ensure the firearm is unloaded and safe by removing all ammunition and the magazine from the firearm. Verify that 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 PRO-S and MPO PRO-F models of the Mepro Pistol Optic (hereinafter referred to as "MPO PRO").

NOTE: The illustrations in this manual are of the MPO PRO-S.

Button Cell and Coin Battery safety:

⚠ 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.

Table of Contents

1. INTRODUCTION	1
Package Contents	3
2. KEY FEATURES	5
3. BATTERY INSTALLATION	9
4. OPTIC INSTALLATION	11
Model-Specific Footprint & Screws	12
Installation	12
5. OPERATION	17
Reticle Brightness	19
6. ZEROING	23
7. TROUBLESHOOTING	25
8. CARE AND MAINTENANCE	27
9. TECHNICAL SPECIFICATIONS	29

1. INTRODUCTION

Main Features

- Precision Machined from aircraft-grade 7075 Aluminum with anodized matte black Finish.
- Illuminated multi-pattern reticle.
- Manual and automatic dot brightness intensity adjustment with light sensor.
- Manual brightness settings: 10 daylight/2 NV.
- Over 30,000 hours of battery life at the medium brightness setting.
- Power Saving mode: Reticle turns off when inactive for 1 hour.

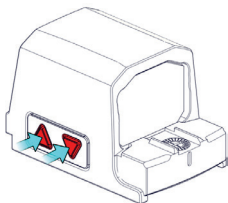
- Low Battery Indicator - Reticle blinks every 0.5 seconds when battery is low.
- Side Loading battery compartment.
- 1 MOA per click windage and elevation adjustment
- IP67 waterproof ratings (Open/Closed).
- MPO PRO-S Footprint: RMSc/JPoint®.
MPO PRO-F Footprint: RMR®.
- Phosphorescent tertiary aiming reference marks.

Package Contents

Description		Qty
MPO PRO-S/MPO PRO-F		1
CR1632 Battery		1
Slotted Screwdriver		1
MPO PRO-S	Screw #6-32x6	2
	Screw M4x6	2
MPO PRO-F	Screw #6-32x8	2
	Screw #6-40x8	2
	Screw #6-32x4.6	2
T10 Torx Wrench		1
Adaptor Plate RMSc		1
Adaptor Plate RMR®		1

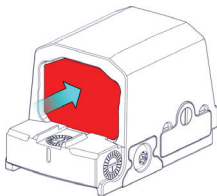
Description	Qty
Cleaning Cloth	1
User Manual	1

2. KEY FEATURES



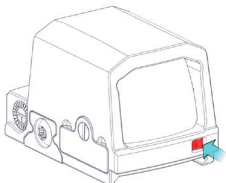
Keypad Mode Buttons

"UP" ▲ and
"DOWN" ▼ buttons.



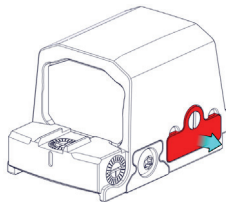
Lens

Large FOV multi-coated glass lens.



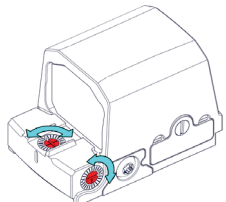
Light Sensor

For automatic reticle brightness adjustment.



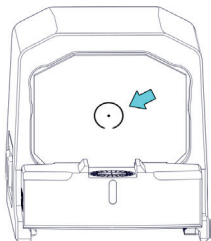
Battery Compartment

Side loading.
Accepts a single CR1632 battery.



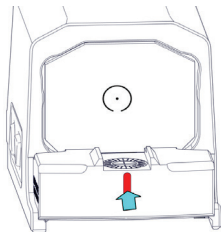
Windage and Elevation

Adjustment screws.
Each click equals 1 MOA.



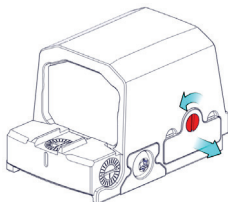
Low Battery Indication

The reticle blinks every 0.5 seconds when the battery is low.

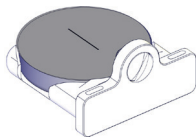


Aiming reference mark

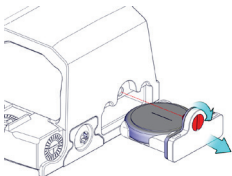
3. BATTERY INSTALLATION



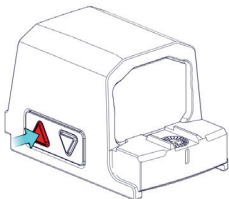
Loosen the battery tray screw and remove the battery tray.



Place the CR1632 battery into the tray with the positive (+) side facing down.



Reinsert the battery tray and battery into the optic and tighten the screw until snug. Do not over-tighten.



Check functionality:
Short press the "UP" ▲ button for 1 second to Power-On. Ensure the reticle is visible.

4. OPTIC INSTALLATION

- Your MPO optic includes mounting screws as specified in the table below.
- All the supplied screws include a pre-applied locking compound to hold screws securely in place.
- **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 12 in-lbs.

Model-Specific Footprint & Screws

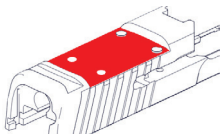
MODEL	MOUNTING FOOTPRINT	MOUNTING SCREWS (2 each)
MPO PRO-S	RMSc/JPoint®	#6-32x6; M4x6
MPO PRO-F	RMR®	#6-32x8; #6-40x8; #6-32x4.6

- The MPO-S/F are designed to directly mount to most pistols with RMSc/RMR® optic cut or adaptor plate, available from your pistol manufacturer.

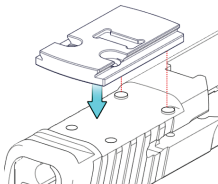
Installation

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

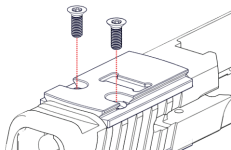
- Remove the slide assembly from the pistol. Follow the manufacturer's instructions for removal.



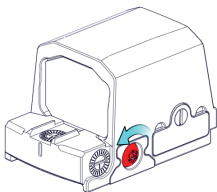
If applicable, remove the slide's cover plate to access the mount base.



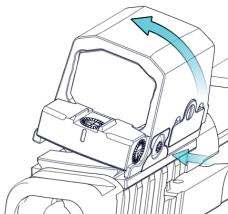
Place the adapter onto the slide, ensuring the holes on the bottom align with the short posts on the mount base.



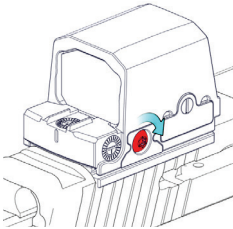
Install the two mounting screws. Tighten to 12 in-lbs.



Loosen the screw securing the locking plate.



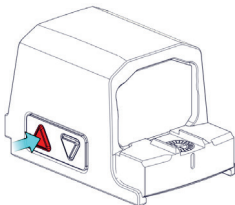
Tilt the MPO to the right as shown and mount it on the adapter.



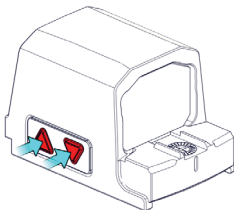
Tighten the screw.
Ensure that the
MPO is firmly
secured on the
adapter.

NOTE: Some optics-ready pistol platforms include specific screws and/or adaptor plates that may be required to mount optics on your pistol. These screws may be better suited for installing your MPO optic. It is important to read the manufacturer's procedures in addition to ours.

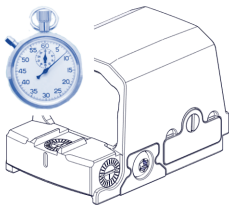
5. OPERATION



Power On: Apply a single press to the "UP" ▲ button for 1 second.

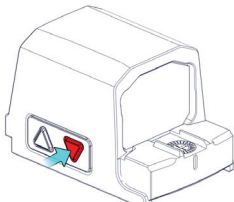


Power Off: Press and hold the "UP" ▲ and "Down" ▼ buttons for approximately 3 seconds.



Power Saving

Your pistol sight will go into Power Saving ("sleep") mode after 1 hour of no motion. The sight will wake up in the last setting when it is shaken or moved.



Reticle Selection:

Press and hold the "Down" ▼ button for 3 seconds to change the reticle pattern once. There are three reticle options:

.

3 MOA Dot.



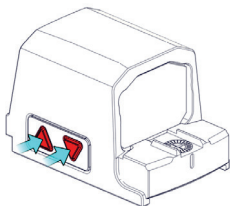
3 MOA Dot & 33 MOA Ring.



33 MOA Ring.

Reticle Brightness

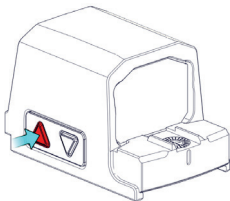
Manual Brightness Mode:



Short press the "UP"
▲ or "DOWN" ▼
button to increase
or decrease reticle
brightness
intensity. See the
following paragraph
for more details.

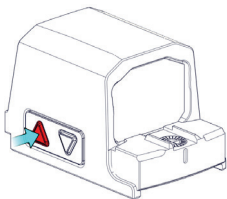
- When you power up the sight after battery installation, Manual Brightness Mode is the default, at medium brightness intensity.
- The reticle will blink twice on the brightest and lowest settings.

Auto Brightness Mode:



To activate Auto Mode: Press and hold the "UP" ▲ button for 3 seconds.

- The reticle brightness intensity will increase rapidly from low to high to indicate that the Auto Reticle Brightness Mode is active.
- In this mode, the reticle brightness intensity will change based on the amount of surrounding light in the immediate environment."

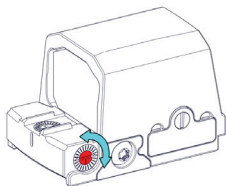


To deactivate Auto Mode: Press and hold the "UP" ▲ button for 3 seconds.

- The reticle brightness intensity will decrease rapidly from high to low to indicate that the Auto Reticle Brightness Mode is deactivated.

6. ZEROING

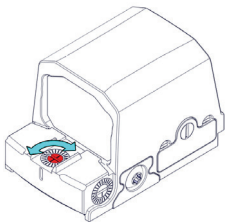
NOTE: Each click of the adjustment screws equals 1 MOA.



Windage Adjustment

To move the Point of Impact (POI) to the right, turn the windage adjustment screw 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 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. Shoot to confirm.

7. TROUBLESHOOTING

Problem	Cause	Solution
Reticle not Visible	Dust or debris blocking the Illumination Window or the Light Sensor	Clean as required. Refer to Care and Maintenance section.
	The MPO is powered OFF	Power On
	Reticle illumination level too low	Increase reticle illumination

Problem	Cause	Solution
Reticle not Visible	The MPO went into Power Saving ("sleep") mode after 1 hour of no-motion	Activate the MPO with movement
	Depleted battery	Replace battery
When trying to Power-On, the reticle flashes rapidly	Depleted battery	Replace battery
Not holding zero	Optic is not properly mounted	Check proper installation & mounting screw tightness

8. CARE AND MAINTENANCE

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

Warning: Viewing the sun can cause serious eye injury.

9. TECHNICAL SPECIFICATIONS

	MPO PRO-S	MPO PRO-F
Mount Footprint	RMSc/ JPoint®	RMR®
Mounting Screw Torque	12 in-lbs. (1.35 N-m)	
Emitter Type	Closed	
Dimensions		
L	1.67" (42.5 mm)	1.85" (47.2 mm)
H	1.19" (30. 3 mm)	1.25" (31.9 mm)
W	1.03" (26.2 mm)	1.14" (29 mm)

	MPO PRO-S	MPO PRO-F
Lens Dimensions		
H	0.60" (15.3 cm)	0.70" (17.9 mm)
W	0.80" (20.2 cm)	0.94" (24.0 mm)
Weight (w/Battery)	1.4 oz (38.9 gr.)	1.82 oz (51.6 gr.)
Body Material	7075 Aluminum	
Battery Type	CR1632 3V	
Battery Life (in medium setting)	Over 20,000 Hours	
Power Saving Mode	1 Hour	
Auto Shut-off	Constant ON	

	MPO PRO-S	MPO PRO-F
Illuminated Multi-pattern reticle	3 MOA Dot.	
	3 MOA Dot & 33 MOA Ring.	
	33 MOA Ring.	
Brightness Levels	10 Daylight/2 NV	
Illumination Mode	Auto & Manual	
W/E Adjustment per click (100 yds)	1 MOA	
Elevation Travel	60 MOA	
Windage Travel	60 MOA	
Operation Temperature	-22°F-+140°F (-30°C-+60°C)	
Storage Temperature	-40°F-+158°F (-40°C-+70°C)	

	MPO PRO-S	MPO PRO-F
Eye Relief	Infinite	
Parallax (50 yds)	Free	
Waterproof Rating	IP67	

NOTE: Actual values (unless otherwise mentioned) may vary by $\pm 5\%$, according to specific configuration.



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