



# 430PS

PROFESSIONAL 4X PRISM SCOPE

USER MANUAL

# LIST OF CONTENTS

TITLE	PAGE
<b>SAFETY SUMMARY</b>	<b>3</b>
<b>1. GENERAL INFORMATION</b>	<b>4</b>
<b>2. OPERATING INSTRUCTIONS</b>	<b>5</b>
<b>3. MAINTENANCE</b>	<b>8</b>
<b>4. WARRANTY INFORMATION</b>	<b>9</b>
<b>5. SPECIFICATIONS</b>	<b>11</b>

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If you have questions that are not covered in this manual, or need service, contact AGM Global Vision customer support for additional information prior to returning a product.

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## SAFETY SUMMARY

- Read and follow all instructions
- Read all warnings
- Only use the attachments/accessories specified by the manufacturer
- All service must be provided by the manufacturer

### **CAUTION:**

- DO NOT look at the sun through the riflescope as it could cause damage to your health.
- DO NOT use the sight as a substitute for binoculars or spotting scope. It could cause the pointing of the gun at another person.
- DO NOT change the batteries when the weapon is loaded.
- DO NOT rub the lens and DO NOT use coarse cloth for cleaning to avoid the damage of lens coating.
- Make sure that the scope is mounted forward enough (at least three inches) to avoid injury to the eye by the rifle recoils.

### **NOTES:**

For the purpose of returning defective components, retain all packaging materials.

# 1 GENERAL INFORMATION

## 1.1 SYSTEM DESCRIPTION

The AGM 430PS is a prism scope with ultra-clear optical quality for medium range shooting. Their long eye relief and large field of view help shooters capture the target. The 5-level illumination allows the user to adjust to all outdoor light conditions. The reticle is etched directly on the prism and the windage and elevation turrets are precisely machined to ensure accuracy

## 1.2 KEY FEATURES

- **More than 120 MOA adjustment range**
- **5 illumination levels**
- **Fully multi-coated optics**
- **Long eye relief**
- **Large FOV**
- **IPX7 waterproof**
- **Fog resistant**

# 2 OPERATING INSTRUCTIONS

## 2.1 INSTALLATION

### **WARNING:**

**If the scope is placed in less than three inches from the eyepiece to the shooter's eye, its rearward motion may injure the shooter when the rifle recoils.**

The 430PS mount can be used with standard Picatinny/Weaver rail.

1. Loosen the locking nuts of the mount.
2. Place the mount onto the rail.
3. Align cross bolts of the mount with crosscut grooves to the rail.
4. Tighten the locking nuts with a wrench, coin, or screwdriver.

## 2.2 SIGHTING

The vertical and horizontal adjustments for the 430PS can be regulated by rotating the elevation and windage adjustment turrets. The scope has 0.5 MOA click value. Each click moves the point of impact 0.5 inch at 100 yards. 1 MOA of movement would require 2 clicks. Once the turret comes to a complete stop, avoid forcing it any further, as damage to the mechanism may occur.

1. Mount the sight on the weapon. Secure or hold the weapon in a steady position.
2. Activate the 430PS illuminated reticle by turning the color/brightness adjustment knob.
3. Take aim at the center of the target from 50 to 100 yards away using the weapon's iron sight.

4. Look into the 430PS eyepiece. Turn the windage and elevation adjustments until the reticle moves into the center of the target.

Use a ballistic drop chart for the ammo that is used. Use the hash mark closest in MOA for the distance of shooting indicated by the chart as adjusted point of aim.

If a ballistic chart is not available, follow the steps below:

1. Sight in at 100 yards (or 50 yards if shooting is at close range), using the center dot as point of aim.
2. Fire a series of shots. For example, if shots are consistently hitting 4 MOA below point of aim as indicated by the scale on the reticle, turn elevation adjustment down 4 MOA.
3. Shoot another series of rounds to verify point of aim was improved. If necessary, repeat the procedure.

## 2.3 RETICLE

The 430PS has based on a MOA (Minute of Angle) reticle designed to determine distances to targets, establishing leads for moving targets, and for alternate aiming points for windage and elevation holds. The reticle has the marks spaced every 4 MOA increment. A single MOA is equal to 1 inch at 100 yards.

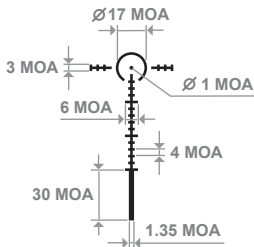
Distance to target can be calculated using the formula, that is based on the size of the object being targeted:

$$R = 95.5 * H / M$$

(R - range in yards, H - target size in inches, M - image size in MOA).

$$R = 34.38 * H / M$$

(R - range in meters, H - target size in centimeters, M - image size in MOA).

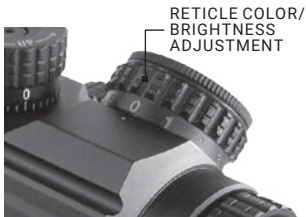


Use the reticle scale for holdover reference rather than adjust the elevation, use the hash mark nearest to the place where shots actually hit as the new point of aim.

## 2.4 RETICLE ILLUMINATION LEVEL AND COLOR SELECTION

The 430PS reticle is illuminated and can be red or green.

Rotate the adjustment knob to set the reticle brightness level. The positions numbered from 1-5 by red and green colors corresponds to the color of the lit reticle. To turn off the illumination set the knob to "0".

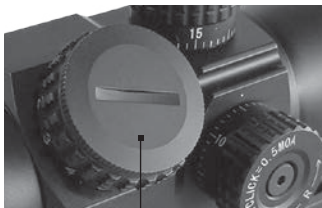


## 2.5 BATTERY REPLACEMENT

### **WARNING:**

**Make sure that the weapon is not loaded before replacement of the batteries.**

1. If the reticle grows dim or it is not lighted at all, replace the battery.
2. Unscrew the battery compartment cover and install a new CR2032 battery, with the "+" side facing up. Replace battery cover.



BATTERY COMPARTMENT COVER

# 3 MAINTENANCE

## 3.1 MAINTENANCE

### **CAUTION:**

**Unnecessary rubbing or use of a coarse cloth may cause permanent damage to lens coatings.**

430PS is a precision instrument that requires cautious care.

1. Blow away any dry dirt and dust or use a soft lens brush.
2. Fingerprints and lubricants can be removed from the lens with the help of lens tissue or a soft clean cloth, moistened with lens cleaning fluid.
3. All moving parts of the sight are permanently lubricated. Do not lubricate them.
4. No maintenance is required for the outer surface, beside removing dirt and fingerprints with a soft cloth.

## 3.2 STORAGE

It is recommended to store the unit in the trunk of a vehicle, a gun cabinet or a closet. Avoid hot places as the high temperature could affect the lubricants and sealants. DO NOT leave the device in a place where direct sunlight can reach the objective or the eyepiece lens. It could cause damage to the lenses of the device. Use the lens cap when the device is not in use.



## 4 WARRANTY INFORMATION

### 4.1 WARRANTY INFORMATION

This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of three (3) years from the date of purchase. In the event that a defect covered by the warranty below occurs during the applicable period stated above, AGM Global Vision, at its discretion, will either repair or replace the product; such action on the part of AGM Global Vision shall be the full extent of AGM Global Vision's liability, and the Customer's sole and exclusive reparation. This warranty does not cover a product if it has been (a) used in ways other than its normal and customary manner; (b) subjected to misuse; (c) subjected to alterations, modifications or repairs by the Customer or by any party other than AGM Global Vision without prior written consent of AGM Global Vision; (d) is the result of a special order or categorized as "close-out" merchandise or merchandise sold "as-is" by either AGM Global Vision or the AGM Global Vision dealer; or (e) merchandise that has been discontinued by the manufacturer and either parts or replacement units are not available due to reasons beyond the control of AGM Global Vision. AGM Global Vision shall not be responsible for any defects or damage that in AGM Global Vision's view are a result from the mishandling, abuse, misuse, improper storage or improper operation of the device, including use in conjunction with equipment that is electrically or mechanically incompatible with, or of inferior quality to, the product, as well as failure to maintain the environmental conditions specified by the manufacturer. This warranty is extended only to the original purchaser. Any breach of this warranty shall be enforced unless the customer notifies AGM Global Vision at the address noted below within the applicable warranty period.

The customer understands and agrees that except for the foregoing warranty, no other warranties written or oral, statutory, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, shall apply to the product. All such implied warranties are hereby and expressly disclaimed.

## **4.2 LIMITATION OF LIABILITY**

AGM Global Vision will not be liable for any claims, actions, suits, proceedings, costs, expenses, damages, or liabilities arising out of the use of this product. Operation and use of the product are the sole responsibility of the Customer. AGM Global Vision's sole undertaking is limited to providing the products and services outlined herein in accordance with the terms and conditions of this Agreement. The provision of products sold and services performed by AGM Global Vision to the Customer shall not be interpreted, construed, or regarded, either expressly or implied, as being for the benefit of or creating any obligation toward any third party of legal entity outside AGM Global Vision and the Customer; AGM Global Vision's obligations under this Agreement extend solely to the Customer. AGM Global Vision's liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to AGM Global Vision by the customer or customer's dealer. AGM Global Vision shall not, in any event, be liable for special, indirect, incidental, or consequential damages, including, but not limited to, lost income, lost revenue, or lost profit, whether such damages were foreseeable or not at the time of purchase, and whether or not such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability, or any other theory of liability.

## **4.3 PRODUCT REGISTRATION**

In order to validate the warranty on your product, the customer must complete and submit AGM Global Vision PRODUCT REGISTRATION FORM on our website ([www.agmglobalvision.com/customer-support](http://www.agmglobalvision.com/customer-support)).

## **4.4 OBTAINING WARRANTY SERVICE**

For service, repair or replacement, please contact:

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## 5 SPECIFICATIONS

ITEM	DATA
<b>Magnification</b>	4x
<b>Objective Lens Diameter</b>	30 mm
<b>FOV</b>	4.75°
<b>Reticle Type</b>	Prism reticle, illuminated
<b>Reticle Color</b>	Red, Green
<b>Turret Style</b>	External
<b>Brightness Control</b>	Mechanical 5 levels
<b>Allowed Parallax at 50/100 yds</b>	100/ ≤0.75MOA
<b>Diopter Adjustment</b>	+2 ~ -2 dpt
<b>Exit Pupil Diameter</b>	7.7 mm
<b>Eye Relief</b>	80.4 mm
<b>Point of Aim Shift after Turret Adjustment</b>	≤1 MOA
<b>Adjustment Range</b>	≥±25
<b>Click Adjustment Value</b>	0.5 MOA ± 15%
<b>Point of Aim Shift after Recoil</b>	≤1 MOA
<b>Shockproof</b>	800 G
<b>Waterproof</b>	1.0 m / 30 Min
<b>Nitrogen Filled</b>	Yes
<b>Fog Proof</b>	55±3°C / 2Min
<b>Color</b>	Black
<b>Center Height</b>	35.6 mm
<b>Battery</b>	One CR2032
<b>Weight</b>	520 g (1.14 lbs)
<b>Size</b>	142 x 63 x 76 mm (5.5 x 2.4 x 2.9 in)

All data subject to change without notice.



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