



# CONDOR SERIES

R I F L E S C O P E



## USER GUIDE



#90-31424C  
**1-4X24**



#90-16184C  
**6-18X40**



#90-13940C  
**3-9X40**



#90-31642C  
**1.5-6X42**



#90-14124C  
**4-12X40**



#90-32156C  
**2.5-10X56**



**x1  
REQUIRED**



### WARNING:

**SUN HAZARD** – Never look directly at the sun with this device.

**CHOKING HAZARD** – Small parts. Not for children under 3 years.

**Contains button or coin cell battery.**  
**Hazardous if swallowed** – see instructions.

The lens contains lead that may be harmful.  
Wash hands after touching.



### WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW THE INSTRUCTIONS BEFORE USE. KEEP THESE INSTRUCTIONS FOR LATER USE.



- **SUN WARNING: WARNING: NEVER ATTEMPT TO OBSERVE THE SUN WITH THIS DEVICE! OBSERVING THE SUN – EVEN FOR A MOMENT – WILL CAUSE INSTANT AND IRREVERSIBLE DAMAGE TO YOUR EYE OR EVEN BLINDNESS.** EYE DAMAGE IS OFTEN PAINLESS, SO THERE IS NO WARNING TO THE OBSERVER THAT THE DAMAGE HAS OCCURRED UNTIL IT IS TOO LATE. DO NOT POINT THE DEVICE AT OR NEAR THE SUN. DO NOT LOOK THROUGH THE DEVICE AS IT IS MOVING. CHILDREN SHOULD ALWAYS HAVE ADULT SUPERVISION WHILE OBSERVING.

- **RESPECT PRIVACY:** WHEN USING THIS DEVICE, RESPECT THE PRIVACY OF OTHER PEOPLE. FOR EXAMPLE, DO NOT USE IT TO LOOK INTO PEOPLE'S HOMES.



- **CHOKING HAZARD:** CHILDREN SHOULD ONLY USE DEVICE UNDER ADULT SUPERVISION. KEEP PACKAGING MATERIALS LIKE PLASTIC BAGS AND RUBBER BANDS OUT OF THE REACH OF CHILDREN AS THESE MATERIALS POSE A CHOKING HAZARD.

- **RISK OF BLINDNESS:** NEVER USE THIS DEVICE TO LOOK DIRECTLY AT THE SUN OR IN THE DIRECT PROXIMITY OF THE SUN. DOING SO MAY RESULT IN A PERMANENT LOSS OF VISION.

- **RISK OF FIRE:** DO NOT PLACE DEVICE, PARTICULARLY THE LENSES, IN DIRECT SUNLIGHT. THE CONCENTRATION OF LIGHT RAYS COULD CAUSE A FIRE.

- **DO NOT DISASSEMBLE THIS DEVICE:** IN THE EVENT OF A DEFECT, PLEASE CONTACT YOUR DEALER. THE DEALER WILL CONTACT THE CUSTOMER SERVICE DEPARTMENT AND CAN SEND THE DEVICE IN TO BE REPAIRED IF NECESSARY.

- **DO NOT SUBJECT THE DEVICE TO TEMPERATURES EXCEEDING 60 °C (140 °F).**



- **DISPOSAL:** KEEP PACKAGING MATERIALS, LIKE PLASTIC BAGS AND RUBBER BANDS, AWAY FROM CHILDREN AS THEY POSE A RISK OF SUFFOCATION. DISPOSE OF PACKAGING MATERIALS AS LEGALLY REQUIRED. CONSULT THE LOCAL AUTHORITY ON THE MATTER IF NECESSARY AND RECYCLE MATERIALS WHEN POSSIBLE.



- THE WEEE SYMBOL IF PRESENT INDICATES THAT THIS ITEM CONTAINS ELECTRICAL OR ELECTRONIC COMPONENTS WHICH MUST BE COLLECTED AND DISPOSED OF SEPARATELY.

- NEVER DISPOSE OF ELECTRICAL OR ELECTRONIC WASTE IN GENERAL MUNICIPAL WASTE. COLLECT AND DISPOSE OF SUCH WASTE SEPARATELY.

- MAKE USE OF THE RETURN AND COLLECTION SYSTEMS AVAILABLE TO YOU, OR YOUR LOCAL RECYCLING PROGRAM. CONTACT YOUR LOCAL AUTHORITY OR PLACE OF PURCHASE TO FIND OUT WHAT SCHEMES ARE AVAILABLE.

- ELECTRICAL AND ELECTRONIC EQUIPMENT CONTAINS HAZARDOUS SUBSTANCES WHICH, WHEN DISPOSED OF INCORRECTLY, MAY LEAK INTO THE GROUND. THIS CAN CONTRIBUTE TO SOIL AND WATER POLLUTION WHICH IS HAZARDOUS TO HUMAN HEALTH, AND ENDANGER WILDLIFE.

- IT IS ESSENTIAL THAT CONSUMERS LOOK TO RE-USE OR RECYCLE ELECTRICAL OR ELECTRONIC WASTE TO AVOID IT GOING TO LANDFILL SITES OR INCINERATION WITHOUT TREATMENT.

## IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW THE INSTRUCTIONS BEFORE USE. KEEP THESE INSTRUCTIONS FOR LATER USE.

**⚠️ BUTTON/COIN BATTERY WARNING:** THIS PRODUCT CONTAINS A BUTTON OR COIN CELL BATTERY. A SWALLOWED BUTTON OR COIN CELL BATTERY CAN CAUSE INTERNAL CHEMICAL BURNS IN AS LITTLE AS TWO HOURS AND LEAD TO DEATH. DISPOSE OF USED BATTERIES IMMEDIATELY. KEEP NEW AND USED BATTERIES AWAY FROM CHILDREN. IF YOU THINK BATTERIES MIGHT HAVE BEEN SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY, SEEK IMMEDIATE MEDICAL ATTENTION.

**⚠️ FIREARM SAFETY:** ALWAYS FOLLOW SAFE PRACTICES WHEN HANDLING, SHOOTING AND STORING FIREARMS. WHEN HANDLING A GUN: TREAT EVERY GUN AS IF IT WERE LOADED. ALWAYS KEEP THE GUN UNLOADED UNTIL READY TO USE. ALWAYS KEEP THE GUN POINTED IN A SAFE DIRECTION. ALWAYS KEEP YOUR FINGER OFF THE TRIGGER UNTIL READY TO SHOOT. ALWAYS BE SURE OF YOUR TARGET AND KNOW WHAT IS BEYOND IT.



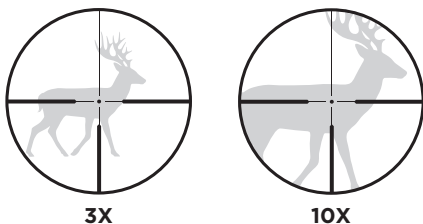
### Parts

- 01. Reticle Focus Ring
- 02. Magnification Adjustment Ring
- 03. Windage Adjustment Knob
- 04. Elevation Adjustment Knob
- 05. Illumination
- 06. Parallax Focus Knobs(not present in all models)\*
- 07. Objective Lens

\*90-16184C and 90-32156C only

## Reticle Focal Plane

Condor Series riflescopes have second focal plane reticles, meaning the reticle is located toward the eyepiece end of the body tube. When you adjust the magnification, the reticle will visually stay the same at all magnifications. With second focal plane reticles, the MOA values are only correct at the highest magnification.



**Second Focal Plane**

## Reticle Focus Adjustment

Before using the riflescope the first time, you will need to check and adjust the reticle focus. The reticle focus ring is located on the eyepiece end.

### To Adjust the Focus

1. Point the riflescope to a blank, bright wall.
2. Relax your eyes and then quickly look through the riflescope.

***Note: Do not stare at the reticle because your eye will immediately attempt to compensate for any blur and your adjustments will not be accurate.***

3. If your quick look through the riflescope revealed a blurry reticle, turn the focus ring slightly in or out without looking through it and then relax your eyes and quickly look through the riflescope again. If the reticle is blurry, repeat this process until it is crisp.



***Note: Once you have achieved proper reticle focus, you will not have to repeat this step every time you use the riflescope. You will only need to adjust the focus if your eyesight begins to change.***

## Reticle Illumination

All Condor Series riflescope offers reticle illumination with adjustable intensity to enhance performance in low-light conditions.

### Using the illuminator:

Condor riflescopes have a battery-powered digital rheostat with an auto-off feature

To power on, press both **(-)** button and **(+)** button..

The dot should illuminate red.

Adjust the brightness with the **(-)** button to decrease or **(+)** button to increase brightness.

To power off, press both **(-)** button and **(+)** button..



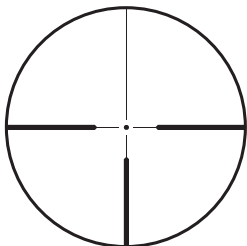
Digital Rheostat

### Replacing the battery:

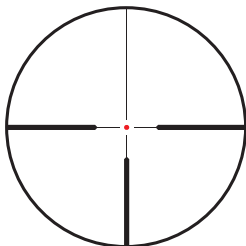
The illuminator operates on a CR 2032 battery located under the cap on top of the objective lens. To replace the battery, unscrew the cap and remove old battery, install the new battery and fully tighten the cap back into position.



### Condor Series Reticle (all models)



Non-Illuminated Dot



Illuminated Dot

## Magnification Adjustment

To change the magnification, turn the magnification adjustment ring located near the eyepiece.

Magnification  
Adjustment Ring



## Windage and Elevation

Adjusting the point-of-impact involves the windage and elevation turrets. The elevation turret, which is located on top of the riflescope, moves the reticle vertically. The windage turret, which is located on the right side of the riflescope, moves the reticle horizontally. All Condor Series riflescopes have covered windage and elevation turrets. To make adjustments, remove these caps.

### 1 Click = 1/4 MOA

Condor riflescopes with MOA adjustments use 1/4-minute clicks



## Parallax Correction

(90-16184C & 90-32156C models only)

Riflescopes with a side focus feature can correct for parallax, which can cause the reticle to appear to shift on the target if the shooter's eye moves off center. To counter parallax, the reticle and the target need to be on the same focal plane. To adjust for parallax, turn the side focus knob until the target image is crisp. Move your head around while looking through the eyepiece. If the reticle shifts, turn the side focus knob again and recheck. Repeat this process until the image is steady.



Parallax  
Focus Knobs

## **Mounting the Scope**

Prior to mounting the riflescope, make sure the gun is unloaded and then place the gun in a gun vise or other stabilizing system.

### **To mount the riflescope:**

1. Install the ring bases. (bottom half)
2. Put the riflescope into the rings and position the riflescope to your preferred eye relief. A proper eye relief distance will produce an image that fills the eyepiece and has no black edges.
3. Put the top ring pieces on and level the riflescope. Tighten the ring screws using the included hex wrench.

## **Boresighting**

Boresighting is the process of aligning the riflescope reticle with the center of the gun barrel, which is also known as the bore. This process is visual and does not require any shooting so the gun should be unloaded.

### **To boresight:**

1. With your riflescope mounted and the gun unloaded, remove the bolt from the gun.
2. Place your gun in a gun vise or other stabilizing system and level it.
3. Look through the barrel of the gun toward a bright distant target and reposition the barrel until the target is centered in the view. If using a boresighter, follow the manufacturer's instructions.
4. Once the bore is aligned, remove the caps on the windage and elevation turrets, look through the riflescope and turn the elevation and windage turrets until the reticle is centered on the same target.

***Note: To keep track of elevation changes, refer to the numbers exposed at the base of the elevation turret as it moves.***

## **Range Sight-In**

After boresighting is complete, the final sight-in can be done at a shooting range. Prior to beginning this procedure, make sure you have focused your reticle and adjusted for parallax if applicable. For the best sight-in, it is important to use the same ammunition that you will be shooting with in the field.

1. At your preferred zero distance, fire a three-shot group at the center of the target. No matter where the bullet holes are in the paper, do not change your point of aim.
2. Check the target and measure from the center of the three shots to the center of the bullseye.
3. Without moving the rifle, adjust the position of the reticle using the windage and elevation adjustment turrets.  
The number of clicks will be based on the click adjustment measurements and the distance to the target.  
For example, If you are shooting at a distance of 25 yards and your riflescope has 1/2 click adjustments you will need 8 clicks to the left on the windage turret and 16 clicks down on elevation to move the point-of-impact 0.5 inches to the left and 1 inch down.
4. Carefully fire another three-shot group at the center of the target. Repeat steps 2 through 4 until the three-shot group is on the bullseye.
5. If you used a shorter starting distance like 25 yards, repeat the process using a target 100 yards away.
6. After you have sighted in your rifle put the caps back on the windage and elevation turrets making sure the "0" is aligned with the zero reference line.

## **Cleaning**

Condor Series riflescopes are precision optical devices and special care should be taking when wiping debris or spots off the lenses. The use of improper cleaning techniques, tools and/or solutions can cause irreparable damage to your telescope. Only use pure cotton swabs/balls or white, unscented, lotion-free tissues for wiping down optics after you have removed as many particles as possible with forced air or a photographic-grade camel hair brush. In terms of solutions, use a small amount of distilled water and/or an optical glass cleaner, which can be found at most camera stores. DO NOT use optical lens cleaning tissues as many contain fiberglass particles that can be abrasive.





Thank you for purchasing an BRESSER® product.  
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familiarize yourself with the applicable warranty coverage.

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# Condor Series Riflescope Specifications

MODEL	MAG X OBJ LENS	FIELD OF VIEW (FT @ 100 YDS)	ANGULAR FOV	EXIT PUPIL (MM)	EYE RELIEF (MM)	BRIGHTNESS	MOA ADJ. (@ 100 YDS)	WT. (OZ)	LEN. (IN)
90-31424C	1-4 x 24	100.5 - 26.1	19° - 5°	15.2 - 5.2	100	231 - 27	1/4:1 CLICK	16	9.375
90-13940C	3-9 x 40	32.1 - 9.9	6.1° - 1.9°	13 - 4.4	100	169 - 19.3	1/4:1 CLICK	16	11.625
90-14124C	4-12 x 40	24.6 - 7.2	4.7° - 1.4°	40 - 3.3	100	196 - 12.25	1/4:1 CLICK	16	11.625
90-32156C	2.5-10 x 56	34.2 - 8.4	6.5° - 1.6°	19 - 5.6	100	361 - 31.36	1/4:1 CLICK	27.2	12.625
90-16184C	6-18 x 40	16.2 - 5.1	3.1° - 1°	6.6 - 2.2	100	44 - 4.8	1/4:1 CLICK	20.8	13.125
90-31642C	1.5-6 x 42	57.9 - 15.3	11° - 2.9°	26 - 5	100	676 - 25	1/4:1 CLICK	20.8	11.125



MODEL	W1	W2	W3	W4	W5	W6	H1	H2
90-31424C	9.375in	6.20in	3.2in	2.03in	2.90in	N/A	1.65in	1.18in
90-13940C	11.625in	5.20in	3.2in	2.03in	1.98in	3.25in	1.65in	1.89in
90-14124C	11.625in	5.20in	3.2in	2.03in	1.98in	3.25in	1.65in	1.89in
90-32156C	12.625in	5.45in	3.2in	2.03in	2.15in	4.20in	1.65in	2.55
90-16184C	13.125in	5.65in	3.2in	2.03in	2.33in	4.5in	1.65in	1.89in
90-31642C	11.125in	5in	3.2in	2.03in	1.80in	2.85in	1.65in	1.98in



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