

# WINCHESTER<sup>®</sup>



## SUPREME<sup>®</sup>

— OPTICS —



PRODUCT MANUAL

# CONTENTS

---

- 5 PRIDE OF OWNERSHIP / SPECIFICATION CHART
- 10 FAST FOCUS EYEPIECE
- 11 MAGNIFICATION RING
- 11 PARALLAX ADJUSTMENT
- 12 WINDAGE AND ELEVATION ADJUSTMENTS (W&E)
- 13 WINCHESTER® RETICLE / ILLUMINATED RETICLE (IR)
- 14 ILLUMINATED RETICLE BRIGHTNESS ADJUSTMENT / BATTERY REPLACEMENT
- 16 EYE RELIEF
- 16 MOUNTING YOUR WINCHESTER® SUPREME® RIFLESCOPE
- 19 BORE SIGHTING / SIGHTING IN / FINAL ZERO
- 20 ALIGNING TURRET ZERO INDICATORS
- 21 MAINTENANCE / WARRANTY



## Riflescopes

Congratulations on your purchase of a **Winchester® Supreme®** Riflescope!

This manual contains information regarding operating and maintaining the Winchester Supreme 3-9x40, 1-4x24IR, 2-7x32, 3.5-10x50, 4-12x44SF and 6-18x50SFIR Riflescopes.

Winchester Supreme quality and performance at the range and in the field ensures you have a dependable optic to trust on your favorite rifle, for your next great adventure on paper or game.

Solid optical and mechanical systems of proven design are precisely aligned utilizing the latest technology, ensuring smooth magnification changes and accurate finger-adjustable turret adjustments that hold zero through recoil and harsh treatment.

Premium lenses transmit the maximum amount of light to your eye through our Winchester WINcoat™ multicoating. This coating not only reduces harsh glare but carries accurate color while providing a durable scratch resistant coating to exterior lens surfaces.

Winchester Supreme riflescopes utilize Second Focal Plane (SFP) reticles. This means that the reticle stays the same size throughout the scope's magnification range, while only the image changes size. This allows for the most precise shot placement at any distance, and the reticle will always have the same appearance. SFP riflescopes are preferred by many hunters and target shooters.

**This product requires careful handling. Before use, please review the contents of this manual and adhere to all warnings.**

## Winchester® Supreme® Pride of Ownership!

- » Fully multi coated lenses throughout the optical system for increased light transmission, reduced glare, and clearer, crisper detailed images from edge to edge, with excellent low light performance.
- » Beryllium bronze springs provide high fatigue strength, stable elasticity, and optimal performance through high and low temperature ranges for precise scope adjustments.
- » One piece housing machined from tough A6063-T6 aluminum to survive rugged and extreme environments.
- » Tough black anodized aluminum exterior for years of rugged use.
- » Scopes designed to stand up to 800 Gs of recoil for standard & magnum rifles, and muzzleloaders.
- » Nitrogen filled and sealed optical system for fog, water, and dust proof performance.
- » Smooth fast focus eyepiece adjustment.
- » Knurled power adjustment ring and turret knobs for a secure grip.
- » Fingertip turret adjustment for windage and elevation allow for easy firearm sighting in on the range or in the field with no tools needed.
- » Zero reset turrets can quickly be adjusted to back to zero with a screwdriver or coin.
- » Accessories: Premium removable amber eyepiece and objective cover, ultra soft microfiber cleaning cloth to remove dust, smudges, and dirt.

**3-9x40**  
Objective Lens

Objective Bell

Scope Body/Main Tube

Elevation Turret

Windage Turret

Magnification Ring

Fast Focus  
Eyepiece (FF)

Ocular Lens



**1-4x24**  
Objective Lens

Windage  
Turret

Elevation  
Turret

Windage and  
Elevation Caps

IR Adjustments  
(If Applicable)

Parallax Adjustment  
(If Applicable)

Ocular Lens

Fast Focus  
Eyepiece (FF)



<b>WINCHESTER® SUPREME® RIFLESCOPE</b>	<b>3-9x40</b>	<b>1-4x24IR</b> (Illuminated Reticle)
MAGNIFICATION RANGE	3X-9X	1X-4X
OBJECTIVE LENS DIAMETER	40	24
OBJECTIVE OUTSIDE DIAMETER	47.5	30
OCULAR LENS DIAMETER	35.5	35.5
OCULAR OUTSIDE DIAMETER	44	44
BODY TUBE DIAMETER	1"	30mm
LENGTH	313mm	241.7mm
WEIGHT	501.5g	459g
CONSTRUCTION MATERIAL	A6063-T6	A6063-T6
BODY CONSTRUCTION	1 Piece	1 Piece
COLOR / FINISH	Black Matte	Black Matte
WATERPROOF	YES	YES
FOGPROOF	YES	YES
SHOCKPROOF	YES	YES
SIDE FOCUS	NA	NA
PARALLAX ADJUSTMENT	NA	NA
PARALLAX ADJUSTMENT RANGE	NA	NA
PARALLAX SETTING	100yds	100yds
ADJUSTMENT TURRET TYPE	Low Turret-Finger Adjustable	Low Turret-Finger Adjustable
WINDAGE ADJUSTMENT RANGE	90MOA	200MOA
HORIZONTAL EFFECTIVE RANGE	±35MOA	±60MOA
ELEVATION ADJUSTMENT RANGE	90MOA	200MOA
EFFECTIVE VERTICAL ADJUSTMENT RANGE	±35MOA	±60MOA
CLICK VALUE	0.25MOA	0.5MOA
RETICLE TYPE (ETCHED / WIRE)	Wire	Etched
RETICLE DESIGN	Plex	Plex V-Brite
EYE RELIEF	120-98mm	116-98mm
EXIT PUPIL	13.33mm-4.44mm	24mm-6mm
FIELD OF VIEW (FOV)	38.4ft-12.8ft	116.6ft-28.8ft
FOCAL PLANE	Second (SFP)	Second (SFP)
DIOPTRIC COMPENSATION	+2/-2.5	+2/-2.5
FULL MULTICOAT TYPE	Winchester WINcoat™	Winchester WINcoat™

<b>2-7x32</b>	<b>3.5-10x50</b>	<b>4-12x44SF</b> (Side Focus)	<b>6-18x50SFIR</b> (Side Focus Illuminated Reticle)
2X-7X	3.5X-10X	4X-12X	6X-18X
32	50	44	50
39.5	57.5	51.5	57.5
35.5	35.5	35.5	35.5
44	44	44	44
1"	1"	1"	30mm
280mm	331mm	315mm	352mm
452g	543g	604.5	659.5g
A6063-T6	A6063-T6	A6063-T6	A6063-T6
1 Piece	1 Piece	1 Piece	1 Piece
Black Matte	Black Matte	Black Matte	Black Matte
YES	YES	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES
NA	NA	YES	YES
NA	NA	YES	YES
NA	NA	15yds-∞	10yds-∞
60yds	100yds	100yds	100yds
Low Turret-Finger Adjustable	Low Turret-Finger Adjustable	Low Turret-Finger Adjustable	Low Turret-Finger Adjustable
100MOA	70MOA	80MOA	70MOA
±40MOA	±28MOA	±35MOA	±30MOA
100MOA	70MOA	80MOA	70MOA
±40MOA	±28MOA	±35MOA	±30MOA
0.25MOA	0.25MOA	0.25MOA	0.25MOA
Wire	Wire	Wire	Etched
Plex	Plex	Plex	Plex V-Brite
120-98mm	132-104mm	120-98mm	109-93mm
14.46mm-4.57mm	15.2mm-5.2mm	11mm-3.67mm	8.33mm-2.77mm
52.4ft-15ft	27.1ft-9.58ft	26.2ft-8.7ft	19.2ft-6.4ft
Second (SFP)	Second (SFP)	Second (SFP)	Second (SFP)
+2/-2.5	+2/-2.5	+2/-2.5	+2/-2.5
Winchester WINcoat™	Winchester WINcoat™	Winchester WINcoat™	Winchester WINcoat™



## Fast Focus Eyepiece (FF)

Rotating the Fast Focus (FF) eyepiece is a one-time diopter adjustment to maximize the sharpness of the reticle to the shooter's eye. This feature will only focus the reticle, not the image. To use this feature:

1. Set magnification to the highest setting.
2. For scopes equipped with parallax adjustment, set at infinity ( $\infty$ ).
3. Look at a bare wall or blank patch of sky (not the sun) and rotate the FF ring back and forth until you achieve maximum reticle sharpness.
4. Note location of index mark for easy confirmation of your diopter setting in case of movement.

This adjustment is only needed once and is easily changed for alternate shooters if required. The human eye automatically compensates for out of focus images, so rotating the FF dial rather quickly instead of studying the reticle lessens this effect. Use the index mark on the FF eye piece after other users to confirm immediately that it's set where it works best for you.



## Magnification Ring

The textured magnification ring adjusts the power level of your Winchester Supreme riflescope. Rotate this dial to increase or decrease the magnification of your optic. The numbers on the magnification ring represent the approximate power of the scope when viewed by the shooter from the rear. Functional and attractive texturing on the dial means a sure grip in all weather conditions, even with frozen or gloved hands. Notice the smooth movement of the magnification ring, a certain indicator of a quality product.



## Parallax Adjustment (If Applicable)

The Side Focus (SF) dial on the left side of select high-power Winchester Supreme riflescopes is used to adjust parallax, or focus. Parallax is the apparent movement of your reticle when your eye is moved away from the center of the riflescope. This is when the target and your reticle appear on different focal planes within the riflescope. Especially at long range or at high power, slight parallax errors may induce significant points of impact change and overall reduction in accuracy.

To adjust parallax, rotate the parallax dial until your image is clear and your reticle remains stationary in relation to the target regardless of eye position from the center of the scope.

Yardage markers on the dial approximate dial placement for parallax-free focus.

Notice the smooth rotation of the parallax dial, an indicator of a quality product.



## Windage and Elevation Adjustments (W&E)

Windage and Elevation (W&E) adjustments are made by rotating the turrets on the top and right side of the

riflescope. Each movement of the turret has a tactile and audible click, and each click corresponds closely to 1/4 inch at 100 yards, or ¼ MOA.

**Note:** Our shorter range 1-4x24 IR scope incorporates larger click adjustments of ½ inch at 100 yards.

MOA means Minute of Angle and is an angular measurement of approximately 1" at 100 yards. ¼ MOA clicks closely correspond to:

- » ¼ inch (.25") at 100 yards
- » ½ inch (.50") at 200 yards
- » ¾ inch (.75") at 300 yards
- » One inch (1.0") at 400 yards

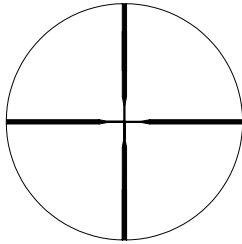
## To Make Turret Adjustments

1. Remove W&E caps (if required).
2. Turn turrets in the direction you wish your point of impact to move.
3. Replace turret cap when done (if required).

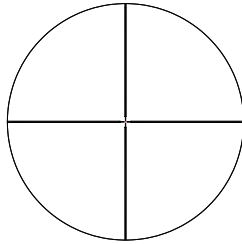
**Note:** If desired, index the zero marks on your turrets for quick reference and easy return (page 10).

## Winchester® Reticle

Our Winchester reticles are designed for maximum accuracy at the range and fast target acquisition on moving targets. Our second focal plane reticle allows the image to grow with magnification while the reticle stays the same size. This allows for a larger image and smaller respective aiming point, allowing the shooter maximum opportunity for the most accurate shot. The bold outer lines in our Winchester reticle naturally draw the shooter's eye towards the thinner crosshairs in the center of the field of view. This works well for paper targets and plinking as well as moving targets and busy backgrounds.



Winchester® Supreme®  
Wire Reticle



Winchester® Supreme®  
Glass Reticle

## Winchester® Illuminated Reticle (IR)

Select Winchester Supreme riflescopes incorporate our Winchester illuminated reticle. This helps provide a highly contrasting aiming point during low light or difficult weather conditions.

## Illuminated Reticle Brightness Adjustment

Adjust the brightness level of the reticle by turning the dial on the left side of the scope to a higher or lower number marked on the knob.



## Illuminated Reticle Battery Replacement



1. Unscrew the outer cap with a coin.
2. Remove battery.
3. Replace it with a new CR2032 battery.
4. Ensure positive (+) side up.
5. Reinstall cap and snug closed.

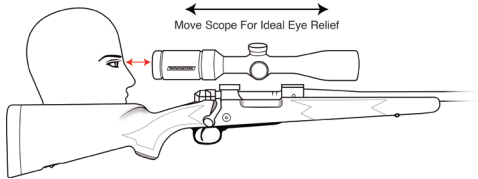
## PROPER DISPOSAL OF ELECTRICAL AND ELECTRONIC EQUIPMENT (EEE)

The European Union (EU) has enacted Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE), which aims to prevent EEE waste from arising; to encourage reuse, recycling, and recovery of EEE waste; and to promote environmental responsibility. In accordance with these regulations, all EEE products labeled with the “crossed out wheeled bin” either on the product itself or in the product literature must not be disposed of in regular rubbish bins, mixed with regular household or other commercial waste, or by other regular municipal waste collection means. Instead, and in order to prevent possible harm to the environment or human health, all EEE products (including any cables that came with the product) should be responsibly discarded or recycled. To identify a responsible disposal method where you live, please contact your local waste collection or recycling service, your original place of purchase or product supplier, or the responsible government authority in your area.



## Eye Relief

The long eye relief of Winchester Supreme riflescopes gives shooters ample cushion to manage harsh recoil while providing a full image even when in less-than-ideal shooting positions. Ample tube area on riflescopes means easy installation on rifles using standard mounting systems.



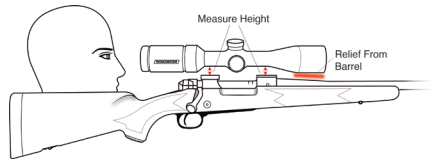
**WARNING:** DO NOT look directly at the sun while using your riflescope to avoid serious harm to your eyes.

## Mounting Your Winchester® Supreme® Riflescope

Proper scope mounting is essential for the best riflescope performance. Mounting a riflescope is not difficult, but if you are not sure of your abilities, we recommend the services of a qualified gunsmith.

Follow your firearm manufacturer's recommendations to securely attach the appropriate mount or base to your firearm. On a bolt action firearm, use the lowest rings possible that allow both objective and ocular clearance from gun, as well as bolt handle when lifted. Keeping the scope low helps ensure a consistent cheek weld, important for establishing a good shooting position.

Eye relief should be set with the scope on the highest power, where eye relief is the shortest. A sharp image is not required here, just a full field of view.



1. Dial scope to highest power and place in rings.
2. Assemble rings loosely enough to allow the riflescope to slide in rings.
3. Attain comfortable shooting position on stock.
4. Adjust eye relief while in shooting position by sliding scope in rings from front to rear until complete field of view is established. Adjust the position of base or rings on gun if this is not possible.
5. Adjust parallax dial for sharpest focus. (If required)
6. Rotate reticle to horizontal with firearm by eye, or by various alternate methods such as a reticle leveling tool, bubble level, or plum bob.
7. Tighten rings according to manufacturer's recommendations.

Remember to adjust the scope to your natural head position on the stock, not your head position to the scope.

**WARNING:** Always make sure your firearm is unloaded before you place the scope on the firearm. Verify that the chamber is empty, particularly if you stop the procedure and resume at a later time. Safe handling rules should be followed at all times.

**WARNING:** If a scope is mounted too far to the rear of a weapon, the eyepiece can injure the shooter's brow. Shooting at an uphill angle also increases this risk, because it shortens the distance between the brow and the rear of the scope. When mounting your scope, we recommend positioning it as far forward in the mounts as possible. With hard-recoiling rifles, serious injury or even death can result from eyepiece impact when discharging the firearm.

BEFORE SHOOTING THE FIREARM, verify that your installation provides sufficient space between the eyepiece and the scope to account for the recoil generated by your rifle.

**NOTE:** Give special attention to this warning when shooting uphill and/or from a prone position. These shooting conditions can dramatically reduce space allotted for recoil between your eyes and the weapon. Maintain maximum distance when shooting magnum firearms or firearms with heavy recoil.

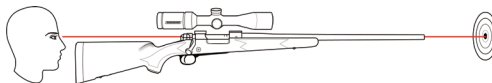
**THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR HAVING THE RIFLESCOPE PROPERLY MOUNTED TO A FIREARM AND USING THE RIFLESCOPE PROPERLY. ALWAYS CHECK THE CONDITION OF YOUR MOUNTING SYSTEM PRIOR TO USING YOUR FIREARM.**

## Scope Mounting Instructions

1. Verify that the firearm is unloaded before attempting to mount your scope. If it is a bolt action, remove the bolt from the rifle receiver. If it is an AR type rifle, remove the bolt carrier group from the receiver. (This will ensure safety while mounting the optic and also allow you to bore sight the rifle.)
2. Attach scope rings to rifle's receiver base. Note, these rings are compatible with Picatinny and Weaver type bases. Secure the rings to your base using the supplied Torx wrench. If you have a Torque Wrench be sure to tighten no more than 30-inch-pounds.
3. Place scope in rings and adjust eye relief and check to ensure it is level to the receiver. Use a level on top of the scope and on top of the rings to verify level. (See instructions on obtaining proper eye relief.)
4. Tighten rings evenly to secure scope to 15-inch-pounds. It is important not to over-tighten the rings as it may damage your scope.
5. Reassemble rifle and verify alignment.

## Bore Sighting / Sighting In

Bore sighting saves time and money by facilitating your first shot on paper so you know immediately which way to adjust for your zero. This may be accomplished by several methods. A mechanical/optical or laser boresight is the easiest way but may be done on some firearms by removing the bolt and sighting through the barrel at a target from 25-50 yards away.



### To Bore sight Through a Barrel

1. Place firearm in secure vise or rest and remove bolt.
2. Remove W&E turret caps.
3. Sight through the bore of your scope by moving the rifle and rest together until the center of your target is seen through the bore.
4. Without moving your gun, look through your scope and adjust the W&E turrets until the crosshair is on your aiming point.
5. Insert bolt and fire group.

## Final Zero

1. After a group is fired, keep gun steady in vise or rest and continue aiming at your bullseye.
2. Without moving the gun, adjust W&E turrets so aiming point of reticle covers the group you just fired.
3. Shoot another group aiming at bullseye.
4. Make minute corrections with individual clicks until desired zero is attained.
5. Index turrets to zero if desired.

## Aligning Turret Zero Indicators

Our Winchester Supreme riflescopes incorporate easy to reindex turrets to zero once sighted in. This does not disturb your settings. If you choose to move our turret indicators to zero, it only takes a moment.

1. Unscrew turret cover (if required).
2. Unscrew middle slotted screw with coin or screwdriver.
3. Lift turret cap from scope and reposition so the zero aligns with the index line on scope.
4. Reinstall cap and screw and snug firmly while holding turret to prevent movement.

## Maintenance

Please keep the ocular and objective covers on when not using your Winchester Supreme riflescope. Clean the body of the riflescope with a damp cloth. Take care of your fine lenses. When dirty or dusty blow off debris with air or a lens brush then use a non-abrasive lens tissue and lens cleaning fluid per the manufacturer's directions. When clean, buff with lens pen or lens cloth (included) in a circular motion to polish away smudges. Our Winchester WINcoat™ coating helps shed debris and protects from scratches.

## CAUTION:

- » The riflescope is a precision optical instrument and must be handled with care to prevent damage.
- » Do not disassemble the device. Disassembly can cause permanent damage.
- » Do not scratch the external lens surfaces or touch them with your fingers.
- » Keep equipment clean. Protect it from moisture, dramatic temperature drops, and electrical shocks.
- » Do not force any equipment controls past their stopping points.
- » Do not store the equipment with batteries installed.
- » Make sure riflescope is dry before placing in any storage case.
- » Store in a cool, dry place.

# Warranty

Your precision Winchester Supreme riflescope has a limited lifetime warranty. In the unlikely event that you require service on your riflescope please contact us.

Phone: 888-811-2979

Email: [info@worldofwinchester.com](mailto:info@worldofwinchester.com)

Web: [www.worldofwinchester.com](http://www.worldofwinchester.com)



[www.worldofwinchester.com/warranty](http://www.worldofwinchester.com/warranty)

Scan the QR code with a mobile device for additional warranty details.

©2024 Apogee, Inc.

Made by Apogee, Inc. for Winchester®

Winchester® is a registered trademark of Olin Corporation and is used with permission.

The information provided in this manual is for familiarization purposes only. The contents of this manual are subject to change without notice, and with no commitment by Apogee, Inc. to notify customers of such updates. Apogee, Inc. assumes no responsibility for any errors that this manual may contain.

The hardware and/or data referenced herein including the item, accessories, and this manual, may be subject to export control under the jurisdiction of either the International Traffic in Arms Regulations, 22 CFR 120-130 (ITAR) or the Export Administration Regulations, 15 CFR Parts 730-774 (EAR). The disclosure or transfer of this hardware and/or technical data to foreign person(s), in the U.S. or otherwise, may require written export authorization granted by the Directorate of Defense Trade Control (DDTC) or the Bureau of Industry Security (BIS) in the form of an export license, a technical assistance agreement, or the use of an applicable exemption or exception. Diversion contrary to U.S. law is prohibited. Violations are punishable by both civil and criminal penalties.

## DISCLAIMER/WARNING

This product is NOT intended for use by children and should only be operated by a responsible adult. The operation and use of this product is the sole responsibility of the Customer.

BY USING THIS PRODUCT, YOU ASSUME ALL RISKS ASSOCIATED WITH THE OPERATION AND USE OF THIS PRODUCT AND ALL RESPONSIBILITIES FOR LOSSES, COSTS, AND DAMAGES THAT MAY BE INCURRED AS A RESULT OF YOUR USE OR MISUSE OF THIS PRODUCT. WINCHESTER AND/OR APOGEE, INC. EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ANY DAMAGES, INJURIES, HARM, COSTS, EXPENSES, OR LIABILITIES ARISING OUT OF OR RELATED TO YOUR USE OR MISUSE OF THIS PRODUCT. WINCHESTER AND/OR APOGEE, INC. WILL NOT BE LIABLE TO YOU UNDER ANY LEGAL THEORY FOR ANY DAMAGES, CLAIMS, INJURIES, JUDGMENTS, COSTS, OR LIABILITIES OF ANY KIND ARISING OUT OF OR RELATED TO YOUR USE OR MISUSE OF THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, DAMAGE TO PROPERTY, LOSS OF BUSINESS, LOSS OF INCOME, SPECIAL DAMAGES, INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, PUNITIVE DAMAGES, OR EXEMPLARY DAMAGES, WHETHER FORESEEABLE OR UNFORESEEABLE. IN NO EVENT WILL WINCHESTER AND/OR APOGEE, INC.'S LIABILITY EXCEED THE VALUE OF THE PRODUCT(S) SOLD.

### 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.



