TRUGLO AG2302GB

TruGlo AG2302GB Ag Covert Pro 2 Power Dot Sporting Optics User Manual

Model: AG2302GB

Introduction

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your TruGlo AG2302GB Ag Covert Pro 2 Power Dot Sporting Optics. Please read this manual thoroughly before using the product to ensure safe and effective performance. Retain this manual for future reference.

Product Overview and Features

The TruGlo AG2302GB Ag Covert Pro 2 Power Dot Sporting Optics is a high-performance sight designed for precision shooting, particularly with compound bows. Its innovative features enhance accuracy and ease of use in various conditions.

- **Adjustable Yardage Pointer:** Allows for precise shooting adjustments based on distance.
- **Scope Housing with Crosshairs and Lighted Center Dot:** Provides superior long-distance accuracy with a clear aiming point.
- **Double Dot Design:** Functions similarly to a single-pin sight but includes an additional reference for long-range targeting.
- **Adjustable LED with 11 Brightness Settings:** Customizable illumination for varying light conditions, powered by an included CR2032 battery.
- **Ultra-Smooth One-Hand Adjustment:** Enables quick and easy adjustments during use.
- **Gravity-Line Rotational Adjustment:** Ensures pin movement aligns correctly with gravity for consistent accuracy.
- **Aperture Housing Adjustments:** Includes vertical and horizontal tilt adjustments for fine-tuning.
- **Adjustable 2nd and 3rd Axis Level:** Aids in maintaining proper sight alignment.
- **Tactile Push-Button Brightness Control:** User-friendly interface for adjusting LED intensity.
- **Automatic Shut-off:** Conserves battery life by turning off after 4 hours of inactivity.
- **Micro-Adjustable Windage and Elevation:** Allows for precise adjustments to compensate for environmental factors.
- **Lens Compatibility:** Accepts 1.87" lenses (sold separately).
- **Glow-in-the-Dark Shooter's Ring:** Helps align the scope housing to the peep sight in low light.
- **Rear-Facing Yardage Tape Location:** Provides an easy-to-see display of yardage settings.
- **Compact/Lightweight Design:** Ensures portability and minimal added bulk.

- **Precision Machined Aluminum Construction:** Guarantees durability and reliability.
- **Stainless Steel Hardware:** Resists corrosion and wear.
- **Dampened End-of-Travel Stops:** Integrated into the bracket for smooth and controlled adjustments.
- **Adjustable Long-Range Yardage-Stop:** Customizes the maximum yardage setting.
- **Ambidextrous Design:** Suitable for both left and right-handed shooters.
- **Quiver Mounting:** Quiver can be mounted directly to the bracket.

Safety Information

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle with care and wash hands thoroughly after use.

- Always ensure your firearm or bow is unloaded and pointed in a safe direction before making any adjustments to the sight.
- Do not look directly into the lighted dot for extended periods, as it may cause eye strain.
- Keep batteries out of reach of children. If swallowed, seek immediate medical attention.

Package Contents

Verify that all components are present upon opening the package:

- TruGlo AG2302GB Ag Covert Pro 2 Power Dot Sporting Optics (Main Unit)
- CR2032 Battery (pre-installed or included separately)
- Pre-marked Yardage Tapes (over 120 variations)

Setup

1. Mounting the Sight

The TruGlo AG2302GB sight is designed for cantilever mounting. Securely attach the sight to your compound bow using appropriate mounting hardware (not included unless specified). Ensure all screws are tightened to prevent movement during use. Periodically check and re-tighten all fasteners to maintain accuracy and prevent loosening from vibrations.



Image: Front view of the TruGlo AG2302GB sight, highlighting the mounting bracket and the main scope housing. This view demonstrates the overall structure when mounted.

2. Battery Installation and LED Activation

The sight uses a CR2032 battery for the lighted center dot. If not already installed, locate the battery compartment, typically on the scope housing, and insert the CR2032 battery with the positive (+) side facing up. Use the tactile push-button control to cycle through the 11 brightness settings. The LED will automatically turn off after 4 hours of inactivity to conserve battery life.

3. Initial Adjustments and Calibration

- **Ambidextrous Setup:** The sight is designed for both left and right-handed shooters. Adjust the sight's orientation on the mounting bracket as needed to suit your dominant hand.
- **Yardage Tape Application:** Select the appropriate pre-marked yardage tape from the included set that best matches your bow's ballistics. Carefully apply the tape to the designated rear-facing location on the sight for easy visibility.
- **Gravity-Line Rotational Adjustment:** Use this feature to ensure that the sight's pin movement remains aligned with gravity, which is crucial for consistent vertical accuracy.
- **Aperture Housing Tilt:** Adjust the vertical and horizontal tilt of the aperture housing to optimize your sight picture.
- **2nd and 3rd Axis Level:** Calibrate these levels to ensure the sight is perfectly plumb and level, preventing cant errors that can affect accuracy at various distances.



Image: Side view of the TruGlo AG2302GB sight, illustrating the integrated level bubble and various adjustment points for fine-tuning the sight's alignment.

Operating Instructions

1. Adjusting Brightness

Press the tactile push-button on the sight to cycle through the 11 available brightness settings for the lighted center dot. Select a brightness level that provides optimal visibility without causing glare or eye strain in your current lighting conditions.

2. Using the Double Dot Design

The double dot design provides a primary aiming point and an additional reference for longer distances. Use the adjustable yardage pointer in conjunction with the rear-facing yardage tape to set your primary aiming distance. The second dot serves as a quick reference for extended ranges, allowing for faster target acquisition without significant re-adjustment.

3. Windage and Elevation Adjustments

Utilize the micro-adjustable windage and elevation knobs to fine-tune your aim. Make small, controlled adjustments and test fire to confirm accuracy. Remember to adjust for environmental factors such as wind or changes in elevation.



Image: Rear view of the TruGlo AG2302GB sight, highlighting the adjustment knobs for windage and elevation, and the area where the yardage tape is applied for quick reference.

4. Adjustable Long-Range Yardage-Stop

This feature allows you to customize and set a maximum yardage limit for your sight's adjustment range. This can prevent over-adjustment and ensure consistency for your preferred shooting distances.

Maintenance

- **Cleaning:** Use a soft, lint-free cloth to clean the sight, especially the lens and LED area. Avoid abrasive materials or harsh chemicals that could damage the finish or optical components.
- **Battery Replacement:** When the lighted dot dims or fails to illuminate, replace the CR2032 battery. Ensure proper polarity during installation. Dispose of old batteries responsibly.
- **Fastener Check:** Regularly inspect all screws and fasteners for tightness. Vibrations from shooting can cause them to loosen over time, affecting accuracy. Re-tighten as necessary.
- **Storage:** Store the sight in a dry, cool place, away from direct sunlight and extreme temperatures. Consider using a protective case to prevent scratches and impacts.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Lighted dot does not illuminate or is dim.	Dead or low battery; incorrect battery installation.	Replace the CR2032 battery, ensuring correct polarity.
Sight loses zero or accuracy.	Loose mounting screws or adjustment fasteners.	Check and securely tighten all mounting and adjustment screws. Consider using a thread-locking compound if loosening persists.
Difficulty setting up for left-handed use.	Incorrect initial mounting or unfamiliarity with ambidextrous features.	Ensure the sight is mounted in the correct orientation for left-handed shooting. Refer to the "Setup" section for ambidextrous adjustment details.
Yardage tape not included or missing.	Packaging error.	Contact TruGlo customer support for replacement yardage tapes.

Specifications

Attribute	Detail
Brand	TRUGLO
Model Name	AG2302GB
Color	Black
Style	Classic
Sport	Hunting
Material	Blend (Precision machined aluminum construction, Stainless steel hardware)
Magnification Minimum	1 x
Compatible Devices	Compound Bow
Mounting Type	Cantilever Mount
Night Vision	No
Reticle Type	Double Dot
UPC	788130025123
Item Package Dimensions (L x W x H)	11.22 x 6.06 x 4.06 inches
Package Weight	0.36 Kilograms
Item Dimensions (L x W x H)	9 x 9 x 3 inches
Included Components	Weapon Sight

Attribute	Detail
Battery Type	CR2032 (for LED illumination)

Warranty and Support

For information regarding warranty coverage, product support, or to purchase replacement parts, please visit the official TRUGLO website or contact their customer service department directly. Keep your purchase receipt as proof of purchase for any warranty claims.

TRUGLO Official Website: www.truglo.com

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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