# XTR PS

Burris

FIND WHAT MATTERS

USER GUIDE

## TABLE OF CONTENTS

## INTRODUCTION

This user guide provides information for the Burris XTR PS line of riflescopes. Please review this user manual thoroughly before mounting and using your riflescope.

Congratulations on choosing the Burris® XTR PS riflescope! Building on the proven XTR line, the XTR PS combines class-leading opto-mechanical features with advanced ballistic capabilities, including a built-in Heads-Up Display (HUD), PĒK Programmable Elevation Knob, and Bluetooth® BurrisConnect mobile app connectivity. Use BurrisConnect to upload factory and custom ballistic profiles to your riflescope. Together, these features offer the most precise, tech-driven optic ever made for precision shooters.

Full functionality of the XTR PS requires the use of the BurrisConnect mobile app. Installation requires a high-speed internet connection. We recommend downloading the app at home, not at the range or in the field.

Once paired, settings and ballistic data can be uploaded to and stored on the scope, giving you full functionality even if you don't have your mobile device. Once paired, you can upload and store settings and ballistic data on the riflescope. This allows full functionality even without your mobile device.

## WHAT IS INCLUDED

- XTR PS Riflescope
- User Guide
- Hex Wrench
- CR123 Battery
- Lens Cloth
- Flip-Up Lens Covers
- Sun Shade
- Exposed Windage Knob

## KEY FEATURES

### PĒK ELEVATION KNOB

The most precise, high-speed elevation turret ever in a Burris optic provides up to 19 MIL of adjustment in a single rotation. The clickless mechanical elevation turret, combined with a digital position sensor, eliminates the need for milled detents in the turret, delivering unmatched precision. By removing detents, users can dial to the equivalent of 1/30 MIL. The digital position is shown on the built-in heads-up display, providing a perfect balance of efficiency and security. No matter what happens in the field, this optic gets the job done, with or without batteries.

### HEADS-UP DISPLAY (HUD)

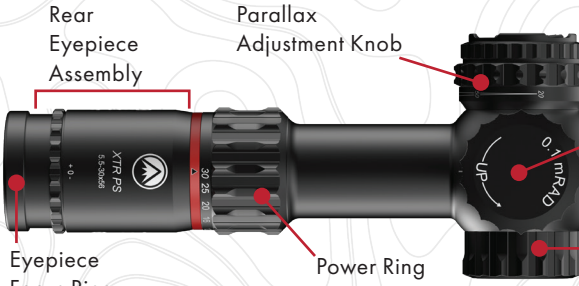
A built-in heads-up display shows elevation turret position in yards, meters, or MIL; rifle cant (bubble level); user-defined wind speed; user-defined wind direction; distance-accurate wind holds; a user-selected density altitude table; a battery meter; and a match timer. The shooter can see all features without shifting the eye from the field of view (FOV).

### BLUETOOTH® FOR BURRISCONNECT

Bluetooth connectivity allows pairing with the BurrisConnect app on any smartphone or tablet, allowing users to build custom ballistic profiles and access advanced riflescope features.

### PRECISION ILLUMINATED FFP RETICLE

The SCR 2™ reticle provides a customer-requested "tree" style design. Developed and tested by champion shooters, the SCR 2 reticle provides



outstanding information for shot tracking and ranging. Dual-color (red/green) illumination gives shooters the contrast needed in low-light engagements.

**MAGNIFICATION RANGE**
A versatile zoom system allows for a larger FOV at close ranges and greater target acquisition at long ranges.

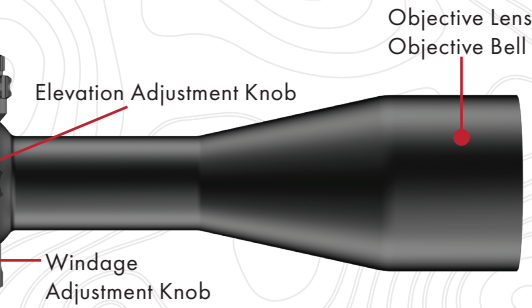
**ZERO CLICK STOP ADJUSTMENT KNOB**
This knob allows you to quickly and easily revert to the original sight-in setting with ease, without leaving the riflescope or losing your place on the turret.

**SIDE FOCUS PARALLAX ADJUSTMENT**
An easy-to-reach side focus for parallax adjustment ranges from 25 yds to infinity for the 3.3-18X and 20 yds to infinity for the 5.5-30X.

**HIGH-PERFORMANCE GLASS**
This provides excellent brightness and clarity with lasting durability—exactly what you expect from Burris.

**INDEX-MATCHED, HI-LUME® MULTI-COATED LENSES**
Enhanced low-light performance and glare elimination make more shots possible and increase your success rate not matter the conditions.

**RUGGED DESIGN**
Built from a single piece of milled 6061-T6 aluminum, the XTR PS can take a beating. Throw everything you've got at these riflescopes—they can take it and still deliver.



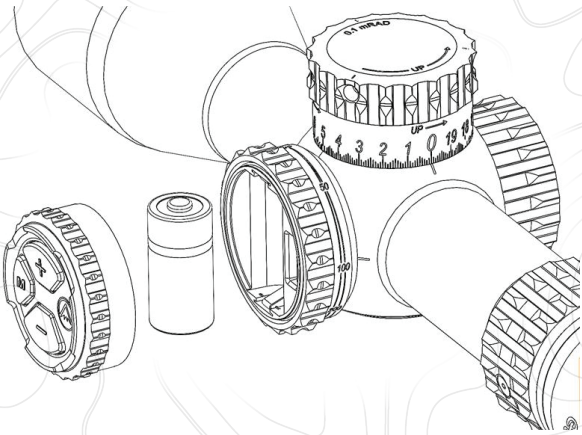
## INSTALLING AND REPLACING THE BATTERY

The HUD, reticle, and Bluetooth features are powered by one CR123 battery. Insert the battery in the correct orientation as indicated by the sticker in the battery compartment. Screw the battery cap back on while making sure it stays in the proper orientation.

Turn the riflescope on to confirm the battery is installed and contains a charge. To power up the riflescope from off, press the "M" button. When the riflescope first turns on, all HUD information displays immediately.

**IMPORTANT:** It is not recommended to use rechargeable CR123 batteries, i.e. 16340, as the circuitry is incompatible. **Using rechargeable batteries voids your warranty.**

**NOTE:** For long-term storage (over a month), it is advisable to remove the battery. Doing so does not erase riflescope data.



## MOUNTING THE XTR PS

**WARNING!** Make sure your firearm is unloaded before attempting to mount the scope. Practice safe firearms handling at all times.

Prior to utilizing the advanced features of the XTR PS, the optic should be mounted and zeroed like any other riflescope. Precision during this process is crucial for achieving the best performance at long ranges.

The XTR PS requires 34 mm riflescope rings. We recommend using high-quality riflescope rings and mounts, such as the Burris Signature XTR Rings and Xtreme Tactical Bases. Quality components ensure that your riflescope remains safely and securely mounted, to provide maximum accuracy. Use care and follow the manufacturer's directions regarding the installation of mounts and rings when mounting, as improper mounting may cause damage.

**Note:** It is critical to level your scope with less than 1/2 degree of cant.

## XTR PS SCOPE SET UP

### EYEPIECE FOCUSING

Rotating the eyepiece diopter ring adjusts the focus on the reticle so it appears sharp and clear to your eye. The diopter ring is located on the end of the rear eyepiece assembly. Follow the instructions below to focus the eyepiece:

1. After mounting the optic, point the riflescope at the sky or a plain surface and glance through the riflescope.
A quick glance prevents your eye from correcting for improper focus. If the reticle appears crisp, no further adjustment is needed.

**(Eyepiece Focusing)** 2. If not, use quick glances through the scope while rotating the focus ring either clockwise or counterclockwise until the reticle appears sharp and clear.

**Note:** Do not look through the eyepiece as you turn the focus ring. Your eyes will adjust to the out-of-focus condition.

### PARALLAX ADJUSTMENT

Parallax is the apparent movement of the reticle in relation to the target when the eye is not directly in line behind the center of the scope. This movement can sometimes be difficult to see when looking through the scope but can lead to missed targets or poor groupings in the field. More often, shooters will see that images from different distances can focus in front of or behind the scope's reticle, causing a blurry image or reticle.

The Parallax/Focus adjustment moves the focal point forward or backward, so the image can form at the same position as the reticle, allowing both to appear sharp and clear.

To use the parallax/focus adjustment, rotate the knob on the left side of the riflescope until the numbers corresponding to the known target distance line up with the reference mark. If the distance is unknown, rotate the adjustment knob clockwise or counterclockwise until the target image is focused.

## ELEVATION AND WINDAGE ADJUSTMENTS

### MECHANICAL ELEVATION ADJUSTMENT

The Elevation Turret, located on the top of the optic, features our PĒK Programmable Elevation Knob—a clickless, mechanical design paired with a digital position sensor for the most precise level of adjustment in a riflescope. With up to 19 MIL of adjustment in a single rotation, the XTR PS

elevation knob provides high-speed adjustments to meet the needs of demanding competitive shooters. Traditional elevation turrets rely on a limited number of detents milled into the turret for accuracy. In contrast, the XTR PS uses a digital sensor that allows for more precise adjustment tracking to within 0.5 degrees, or approximately 1/30 MIL. The following section explains adjusting the mechanical zero on the elevation turret.

To adjust and zero the elevation turret, start by adjusting the mechanical (traditional) elevation turret. The lasered markings are equivalent to 1/10 MIL.

- Turn the elevation turret clockwise to move the point of impact (POI) DOWN.

- Turn the elevation turret counterclockwise to move the POI UP.

- For negative elevation adjustment on riflescopes, loosen the zero-turn stop screw on the elevation turret base near the 15 MIL mark.

## MECHANICAL ELEVATION ZEROING AND ZERO-TURN STOP

Follow the steps below to set the mechanical turret cap to 0 and properly set zero- turn stop:

1. Loosen the three set screws below the top of the knob with the provided 2-mm hex wrench until they are flush with the turret cap's outside wall. Verify the turret post cannot accidentally spin.

2. Gently rotate the turret cap clockwise to zero. This process should also hit the zero-turn stop.

3. Retighten the three set screws until firm.

Do not overtighten.

## WINDAGE ADJUSTMENT

The XTR PS features a factory-installed, capped windage knob. For shooters who prefer an exposed, uncapped knob, one is included in the box and can be easily swapped. The windage knob is limited in rotation to prevent losing reference to windage zero. When set, windage maintains 4.6 MIL, or a half turn, in either direction from zero.

If windage maxes out and you need more adjustment during sight-in, loosen the set screws, move the dial in the opposite direction, and retighten the screws. Adjust the dial in at least 3 MIL increments.

- Turning the dial clockwise moves the point of impact (POI) LEFT.

- Turning the dial counterclockwise moves the point of impact (POI) RIGHT.

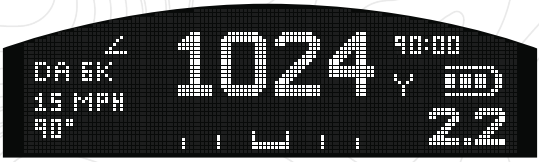
- The windage dial lines are calibrated to equal 1/10 MIL.

## WINDAGE ZEROING

To set windage zero:
After zeroing, loosen the two set screws with the 2-mm hex wrench. supplied with your riflescope.

Rotate the windage dial until the 0 mark aligns with the reference mark on the riflescope. Retighten the 2 set screws until firm. **Do not overtighten.**

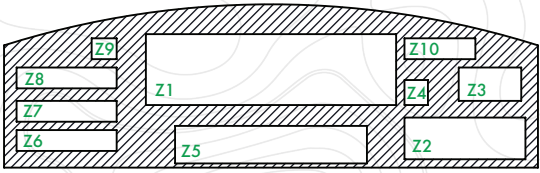
## XTR PS HEADS-UP DISPLAY OVERVIEW




The XTR PS features a built-in, heads-up display that shows elevation turret position in yards, meters, or MIL; rifle cant (bubble level); user-defined wind speed; user-defined wind direction; distance-accurate wind holds; a user-selected density altitude table; a battery meter; and a match timer.

### Z1 – PRIMARY DISPLAY

Configure this to display the dialed elevation



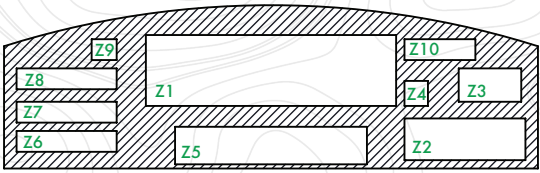

distance in yards, meters, or MIL in the BurrisConnect app.

### Z2 - WIND HOLD

This displays the wind hold value in MILs that corresponds to the active table ballistic data.

### Z3 – BATTERY METER

### Z4 – PRIMARY DISPLAY UNIT OF MEASURE


**Z5 – RIFLESCOPE LEVEL**

The riflescope level indicates rifle cant. Users have the choice of three bubble level options that can be selected in the BurrisConnect app.

- **Ball:** If the left side is low and the right side is high, the level indication rests on the LEFT.

- **Bubble:** If the left side is low and the right side is high, the level indication rests on the RIGHT.

Option 1

Option 2

Option 3

### Z6 – WIND DIRECTION

Wind direction is defined by the user in the ballistic profile in the BurrisConnect app. Unit type is selectable in the BurrisConnect app and can be displayed in clock angle (3:00) or degrees (90°).

### Z7 – WIND SPEED

Wind speed is defined by the user in the ballistic profile in the BurrisConnect app. Unit type is selectable in the BurrisConnect App and can be displayed in mph, kph, or m/s.

### Z8 – DENSITY ALTITUDE SETTING

The DA value displays the Density Altitude applied to your ballistic profile and can be changed within the riflescope's onboard menu system
(See Page 14).

### Z9 – ANGLE COMPENSATION

If the symbol  is displayed, Angle Compensation is turned on. If your laser rangefinder only provides line of sight (LOS) distance, the built-in inclinometer on the XTR PS compensates for shooting uphill or downhill. The riflescope corrects the aiming distance displayed in the HUD regardless of the shot angle. The line-of-sight distance will be displayed. This feature can be turned on/off in the BurrisConnect app.

**Note:** If your laser rangefinder has angle compensation built-in, disable Angle Compensation in the XTR PS.

### Z10 – MATCH TIMER

The XTR PS features a countdown match timer option to assist shooters in competition. Activate the Match Timer by pressing and releasing the "M" button. Press the "M" button again to pause the timer. To reset the timer, pause it first and reset it by short-pressing (i.e., double-clicking) the "M" button twice.

## XTR PS USER INTERFACE OVERVIEW

### OPEN MAIN MENU

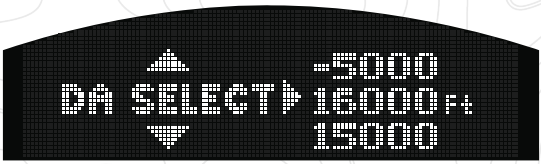
Open the main menu on the XTR PS by pressing and holding the "M" button for 2 seconds. The HUD will display the main menu. Scroll through the menu options using the "+" and "-" buttons. Select menu options by pressing and releasing the "M" button once. To close the menu at any time, press and hold the "M" button for 2 seconds.

### APP CONNECT

To connect to the BurrisConnect app, select "APP CONNECT" in the main menu. For detailed app connection instructions, see page 27.


### DA SELECT

Use the "+" and "-" buttons to scroll through the density altitude values. Select a value by pressing the "M" button once. The XTR PS can store DA values ranging from -5,000 ft to 16,000 ft in 1,000 ft increments. Adjust the range of DA values in the BurrisConnect app.

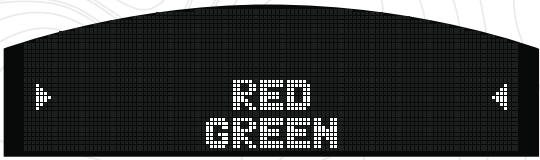


ZERO KNOB

With the mechanical elevation knob set to "0," enter the zero knob menu and press the "m" to zero the knob.

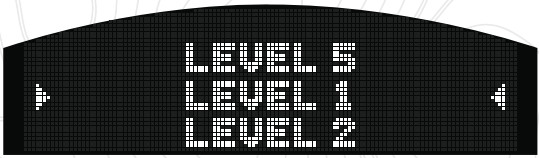

RET COLOR

Select a red or green reticle illumination color.



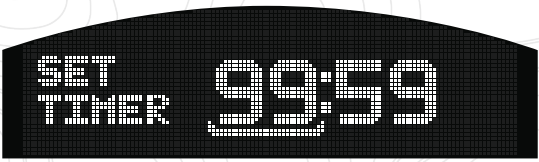

HUD BRIGHTNESS

Adjust the HUD character brightness from Level 1 to Level 5.



MATCH TIMER

The Match Timer is a helpful tool that allows shooters to keep track of their remaining time on station without looking outside the riflescope's FOV or asking range officers. The timer can be adjusted up to 99 minutes. Adjust the minutes field using the "+" and "-" buttons and press the "M" button to select. The seconds field will then be highlighted and can also be adjusted using the "+" and "-" buttons. Press the "M" button to select and return to the main menu. If you press and hold the "+" or "-" the digital numbers will scroll quickly.




EXIT

Select to close the Main Menu.

## CONNECTING TO THE XTR PS

1. Install the battery in the riflescope.

2. Download the BurrisConnect app to your smartphone or tablet.

**NOTE:** Installation requires a high-speed internet connection. We recommend downloading the app at home, not at the range or in the field.

## PROGRAMMING THE DEVICE

To connect to the XTR PS:

1. Open the main menu by pressing and holding the "M" button for 2 seconds.

2. Scroll through the menu options on the HUD using the "+" and "-" buttons. Select "APP CONNECT" by pressing and releasing the "M" button.

3. The HUD displays "PAIRING" on the top line.

4. On your mobile device, ensure your Bluetooth setting is turned on. Open the BurrisConnect app.

5. Navigate to the "Devices" tab and add a new device by tapping on the "+."

6. Follow the "Connection Assistant" instructions.

7. Once connected, the HUD displays "PAIRED" on the top line.

8. Select the settings you want for your XTR PS, such as Impact Distance/MIL display, Inclinometer On/Off, Digital Level Sensitivity, Digital Level Type, Display Timeout, Scope Auto Off, Reticle Timeout, and Density Altitude range.

9. **Upload Settings:** Keep the scope in "APP CONNECT" mode for the next section "Build and Upload Custom Ballistic Profile."

## CREATING CUSTOM BALLISTIC PROFILES

For this section, you need to know about your bullet and cartridge, including ammunition manufacturer, bullet weight/type, muzzle velocity, BC, DA, altitude, temperature, and sight-in distance.

## BUILD AND UPLOAD CUSTOM BALLISTIC PROFILE:

1. Go to the "Ballistics" tab and follow the on-screen instructions to build a custom Rifle and Ballistics profile.

2. When the Ballistic Profile is complete, select your riflescope under the "Optics" tab.

3. Select the desired ballistics profile you created.
   A. This is an opportunity to rename the profile in the "Active Table" field.

   B. We recommend using a naming scheme that communicates changes to your profile, e.g.,"190 ATIP 2990FPS 10MPH."

4. Tap "Upload Profile." The HUD displays "PAIRED-UPDATING" during the upload process.

5. To confirm the ballistic profile has uploaded, check the optic; the Ballistic Profile name appears in the HUD in the APP CONNECT menu.

6. Zero Digital Elevation Knob: With the mechanical elevation knob in the "0" position, tap "Zero Elevation Knob" in the app.

7. Exit the APP CONNECT menu on the riflescope by holding the "M" button for 2 seconds.

**NOTE:** Re-upload changes to the ballistic profile to your XTR PS.

**NOTE:** To see which profile is loaded on the optic, reopen the APP CONNECT menu on the riflescope, and the profile name displays on the middle row of text in the HUD.

## SPECIFICATIONS

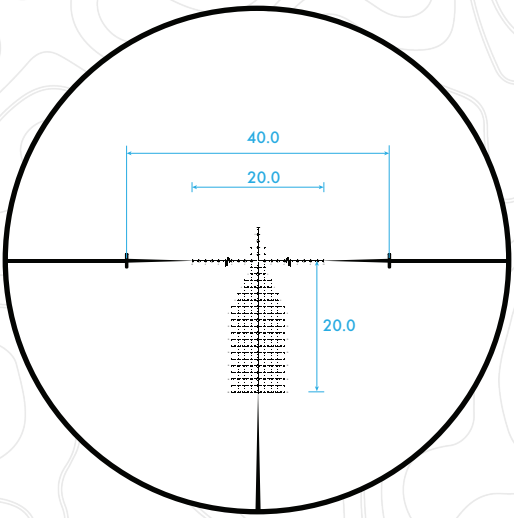
### XTR PS

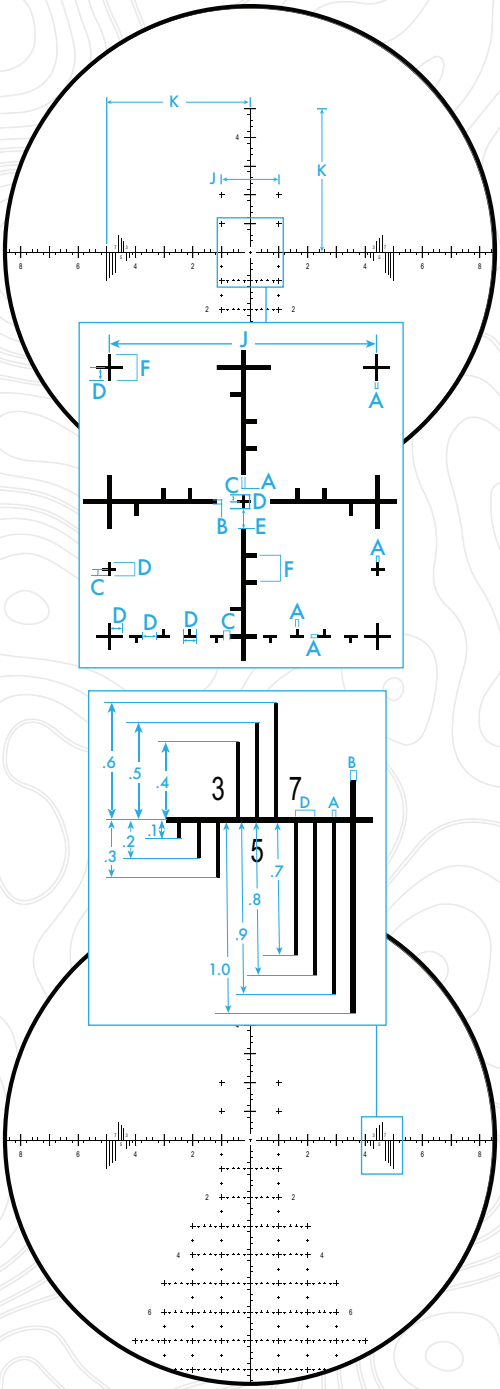
| Item # | 201220 | | 201230 | |
|---|---|---|---|---|
| Magnification | 3.3-18x50 mm | | 5.5-30x56 mm | |
| Objective Outer Tube Diameter | 58mm | | 63.5mm | |
| Ocular Diameter | 44.25mm | | 44.25mm | |
| Tube Diameter | 34mm | | 34mm | |
| Objective Lens Diameter | 50mm | | 56mm | |
| Field Of View (ft @ 100 yards) | low | 36 | low | 21.5 |
| | high | 6.7 | high | 4.2 |
| Eye Relief | low | 90 mm | low | 85 mm |
| | high | 88 mm | high | 95 mm |
| Exit Pupil | low | 8.8 | low | 8.8 |
| | high | 2.9 | high | 2.1 |
| Reticle | SCR2-MIL ILLUM | | SCR2-MIL ILLUM | |
| Focal Plane | Front | | Front | |
| Parallax Focus | 25 to infinity | | 20 to infinity | |
| Battery (For Illuminated Models Only) | CR123A | | CR123A | |
| Length | 13.3" | | 15.4" | |
| Weight | 35.2 oz | | 37.5 oz | |
| Elevation Knob | Digital MIL | | Digital MIL | |
| Total Elevation Adjustment Range | 35 MIL | | 26 MIL | |
| Windage Turret Graduations (Clicks) | 0.1 MIL | | 0.1 MIL | |
| Total Windage Adjustment Range | 15 MIL | | 15 MIL | |
| Operating Temperature | -20˚F to +140˚F | | -20˚F to +140˚F | |
| Storage Temperature | -40˚F to +160˚F | | -40˚F to +160˚F | |
| Waterproof Rating | IPX7 | | IPX7 | |

## RETICLE SUBTENSIONS

### SCR 2 MIL


| A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|
| .02 | .03 | .05 | .1 | .15 | .2 | .4 | .6 | 1.0 | 2.0 | 5.0 |




K
J
K
J
F
D
A
C
A
D
B
E
A
D
C
F
D
D
D
C
A
A
.6
.5
.4
3
7
D
A
B
.1
.2
.3
5
.7
.8
.9
1.0

## TROUBLESHOOTING

### ZERO DIGITAL ELEVATION KNOB

If the Digital Zero does not match the Mechanical Zero, reset it by completing the Zero Knob step on page 15.

### TRURING BALLISTIC DATA

If your ballistic data is not matching your actual trajectory, use the data truing tool in your custom bullet profile in the "Ballistics" tab of the BurrisConnect app. Adjust velocity or BC until you achieve optimal alignment of ballistic data and trajectory. Do not forget to reconnect your XTR PS to the BurrisConnect app and reupload the Ballistic Profile (page 17).

### DIGITAL LEVEL CALIBRATION

The digital level is factory-calibrated. You can recalibrate the digital level's horizontal zero using the app. Ensure the rifle and scope are level using a bubble level or calibrated reference system and connect the scope to the app.. Connect the riflescope to the app and select "Zero Digital Level."

A significant number of returned riflescopes are found to be functioning perfectly. To avoid delay and expense, we encourage you to check the following conditions:

### INSUFFICIENT WINDAGE ADJUSTMENT

1. The firearm mounting holes are drilled out of alignment with the center of the bore .

2. The barrel is threaded into the receiver at an angle.

3. The riflescope tube is bent at the objective bell or eyepiece.

**Solution -** Use Burris Signature Rings and Pos-Align offset inserts to correct any alignment problems. Return bent riflescope tubes to Burris.

INSUFFICIENT ELEVATION ADJUSTMENT

1. The receiver diameter is out of specification.

2. The barrel is threaded in at an angle.

3. The Riflescope tube is bent.

**Solution -** Receiver or barrel problems require shimming or using Burris Signature Rings and Pos-Align Offset Inserts. At 100 yards, a movement of 0.001 in. shifts the POI by approximately one inch. Return bent riflescope tubes to the factory.

FOCUS OR IMAGE NOT CLEAR

1. The object is too close.

2. The eyepiece is out of focus.

3. The parallax adjustment is not correctly set.

**Solution -** Read instructions on how to focus reticle and parallax adjustments.

GROUPING OR ACCURACY

1. The barrel or chamber throat is eroded.

2. There is bad ammunition in the firearm.

3. Stock warpage

4. Stock bedding problem

5. The mount is loose.

6. The trigger pull is heavy.

7. The parallax adjustment is not correctly set.

**Solution –** Make sure the parallax is set. Try different ammunition. Consult with a gunsmith. If all else fails, call our customer service team.

## WARRANTY

Thank you for choosing Burris. You can be confident that the optic you purchased is built to the most exacting standards. You can count on Burris to perform every time you use it.

We're so confident in the craftsmanship of our products that we back them with a no questions asked Forever Warranty.


**UNITED STATES WARRANTY**

We will repair or replace your Burris optic if it is damaged or defective. The warranty is automatically transferred to future owners.

- No repair or replacement charge
- No warranty card needed
- No receipt required


**INTERNATIONAL WARRANTY**

If you purchased your optic outside North America it is covered by our 30 Year Warranty. 30-Year Warranty: Protects Burris products from any defects in materials or workmanship.

Burris will, at our option, repair or replace the item at no charge. If a repair is needed, contact the retailer or distributor in the country where you purchased the product for repair service.

## BURRIS CUSTOMER SERVICE

**1-888-440-0244**

customerservice@burrisoptics.com
www.burrisoptics.com/support/customer-service

For the fastest service regarding REPAIRS, WARRANTY SERVICE and PARTS register in our Support Portal. You must be registered and must have recieved a Return Authorization (RMA). Burris cannot be responsible for your riflescope until we physically receive it.

The illustrations, descriptions, and specifications in this brochure are intended as a general guide and are not binding. Burris reserves the right to make any changes deemed necessary to improve its products or to meet manufacturing or commercial requirements at any time without prior notice.

Burris products are protected by one or more of the following U.S. Patents: 4,033,046; 4,497,548; 3,880,389; 5,020,892; 4,703,576; 5,363,554, Des 259,944. All specifications are subject to change without notice.


331 E. 8th Street
Greeley, CO 80631
www.burrisoptics.com

## TRANSLATIONS

This manual is available in English, Spanish, Italian, French, German, Russian, Finnish, Swedish, Danish, and Polish; scan the QR code or visit www.burrisoptics.com/customerservice/manuals to see translations.

**Spanish**
(Español): Escanear para el manual de usuario

**Italian**
(Italiano): Scansiona per il manuale utente

**French**
(Français): Scanner pour le manuel d'utilisateur

**German**
(Deutsch): Nach dem Benutzerhandbuch scannen

**Russian**
(Русский): Сканировать для руководства пользователя

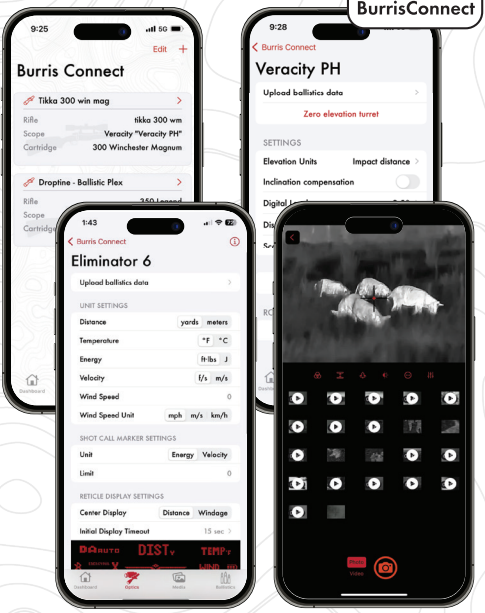
**Finnish**
(Suomi): Skannaa käyttöopasta varten

**Swedish**
(Svenska): Skanna efter användarmanual

**Danish**
(Dansk): Scan efter brugervejledning

**Polish**
(Polski): Skanuj w poszukiwaniu instrukcji obsługi

## BURRIS CONNECT




A ballistics powerhouse at your fingertips, the BurrisConnect app was built to be the solution for operating the Veracity PH, live media sharing on Burris Thermal, and the go-to ballistics tool for every shooter.BurrisConnect offers users the latest in bullet data to build DOPE cards, reticle maps, Eliminator data tables, and custom rifle profiles. From seasoned long-range competition enthusiasts to those just getting their first rifle zeroed. The ever-evolving, BurrisConnect app gives you everything you need to get dialed in.

**DOWNLOAD BURRISCONNECT**

Burris

FIND WHAT MATTERS

Burris Company
331 East 8th St., Greeley, CO 80631
(970) 356-1670
BurrisOptics.com
Facebook.com/BurrisOptics
INSTR-9201