LEUPOLD®

RX®-1500i TBR®/W DIGITAL LASER RANGEFINDER

Complete Operating Instructions

DNA

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INTRODUCTION

Congratulations! You have purchased a Leupold® RX-1500i TBR/W Series digital laser rangefinder that has been designed by Leupold's engineers and designers to provide you with years of accurate performance in the field. Following are detailed instructions regarding the proper use and employment of your RX®-1500i True Ballistic Range®/Wind (TBR®/W) rangefinder. To ensure top performance for the life of the product, please read these instructions before operating your RX-1500i TBR/W. This manual will provide you with all the information needed to properly operate and maintain your new RX-1500i TBR/W for years to come. Keep it in a safe place and refer to it as needed.

Leupold's RX-1500i TBR/W digital laser rangefinder is a range-finding device that combines advanced digital electronics with ballistics algorithms. The Digitally eNhanced Accuracy™ (DNA®) engine incorporates additional signal processing techniques to generate better ranging distance with improved accuracy. The RX-1500i TBR/W features Leupold's exclusive Trophy Scale, an inclinometer, and True Ballistic Range/Wind (TBR/W) functionality. Our TBR/W algorithms were developed by the same engineers who developed Sierra Infinity® Exterior Ballistics Software and helped develop navigation and guidance systems for ICBMs and other missiles with far more demanding trajectory requirements than a hunting bullet. TBR/W marries a laser-ranging device, an inclinometer, and an advanced computerized ballistics program to deliver distance measurements that are accurate within a yard, no matter the angle at which the laser is fired. Bullets and arrows travel in a ballistic arc, yet conventional rangefinders only provide a linear or horizontal distance to your target.

TBR/W delivers the ballistic equivalent range to the target, accounting for the effects of inclines or declines on the path of your bullet or arrow. In addition to the TBR/W functionality, the Leupold team has included wind hold calculations that will provide rifle shooters with a fixed 10 MPH full wind value. Other features that are provided for rifle shooters are shoot-to distance, MOA and MIL adjustments, or in/cm holdover. TBR/W eliminates any potentially significant error and provides a precise range for your aiming calculations. TBR/W is matched to each of twenty-five firearm ballistics groups, making it compatible with almost any popular firearm.

HOW THE RX-1500i TBR/W WORKS

The RX-1500i TBR/W is a top-quality 6x23mm monocular that boasts a state-of-the-art laser rangefinder capable of measuring the distance of a deer-sized animal from 6 yards to 900 yards and a reflective target from 6 yards to 1500 yards. It emits a series of invisible, infrared energy pulses that are reflected off the selected target back to the optical unit. Precision computing circuits are used to calculate the distance by measuring the time it takes for each pulse to travel from the RX-1500i TBR/W to the object and back.

SAFETY AND OPERATION PRECAUTIONS

The Leupold RX-1500i TBR/W 6x23mm employs an eye-safe IEC Class 3R laser. Even so, there are a few precautions that are important to remember:

Do not depress the POWER button while aiming at a human eye or while looking into the optics from the objective side

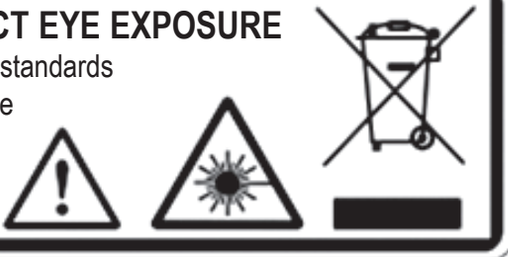
Do not leave the rangefinder within the reach of small children

Do not take the product apart as it has a self-protection device in the electronic control module and may cause an electric shock

Do not attempt to use any power source other than a CR2 battery (or equivalent) — the RX-1500i TBR/W rangefinder is designed to prohibit accessing any other external power supply

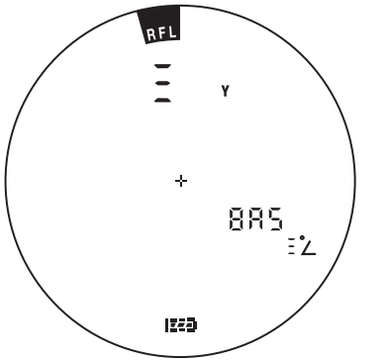
CAUTION: *Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser radiation exposure*

CLASS 3R LASER PRODUCT INVISIBLE LASER RADIATION AVOID DIRECT EYE EXPOSURE
This product complies with IEC 60825-1:2014-05 Ed. 3.0 and complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice NO.56, dated May 8, 2019.
Pp<21W. λ:895-915nm. tw:22ns.
LEUPOLD & STEVENS, Inc, 14400 NW Greenbrier Parkway, Beaverton, OR 97006

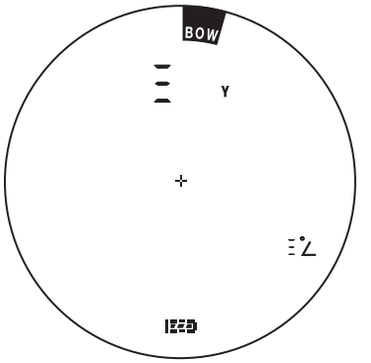


When you see the displays below through the eyepiece, please be aware that the product is active and emitting an invisible laser, and the laser aperture should not be pointed toward anyone.

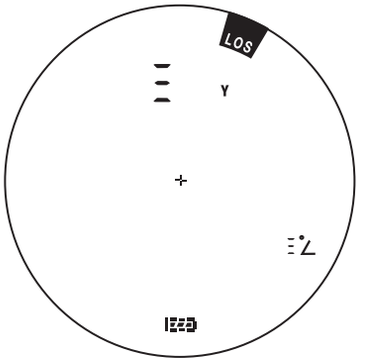
Read this instruction manual in its entirety before using this rangefinder. If the product is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.



BAS Display



BOW Display



LOS Display

(Display as seen through the eyepiece)

RX-1500i TBR/W FEATURES AT A GLANCE

Laser Radiation: IEC Class 3R

Measurement Range: 6 yds – 1500 yds

Measuring Time: Less than 1 second

Auto Power Off after 5 seconds
(45 seconds if Trophy Scale is enabled)

Power: CR2 battery or equivalent

Battery Life: At least 5,000 actuations

Accuracy: +/- .5 yard/meter, up to 125 yds

The RX-1500i TBR/W rangefinder is waterproof

BATTERY POWER STATUS INDICATOR

To determine your battery's power level, look for the following indicators:

FULL – A full battery bar indicates your battery is at or near peak capacity.

HALF – A half-full bar indicates your battery has reached half capacity.

LOW – If the battery bar is empty, yet there is still data displayed above the bar, the battery is nearing the end of its life and should be replaced.

NO POWER – If the battery bar is empty, and there is no data

displayed above the bar, your battery is dead, and you must replace it. The battery status bar will flash, and the unit will shut down when no power remains.

MEASURING DISTANCE WITH THE RX-1500i TBR/W

Measuring distance with the RX-1500i TBR/W is a very simple operation:

1. View the object of interest through the monocular.
2. Press the POWER button to power up the unit.
3. Align the reticle over the object being viewed.
4. Press the POWER button again to activate the laser.
5. Read the distance as shown in the image field.

CONTINUOUS MEASUREMENT OF A MOVING TARGET / SCAN MODE:

Follow the instructions for "Measuring distance..." as explained previously.

1. Once the target has been measured, continue to hold down the POWER button and follow the object as it moves.
2. The distance will automatically update if the POWER button is continuously pressed.
3. This procedure can also be used to obtain the range of multiple animals or objects; simply move the reticle from one target to another while holding down the POWER button.

CLEARING THE LAST DISTANCE OBTAINED:

The last range reading does not need to be cleared before reading another object's distance. For that reason, there is no reset button. Simply aim at the new object using the reticle, depress the POWER button, and hold it until the new range is displayed.

The ranging accuracy of the Leupold RX-1500i TBR/W rangefinder is ± .5 yards/meters at distances less than 125 yards/meters, while the accuracy beyond 125 yards/meters is ± 2 yards/meters. The maximum range of the unit depends on the reflectivity of the target and atmospheric conditions.

Following is a reference table listing the ranges of the RX-1500i TBR/W rangefinder under different conditions:

TYPICAL MAXIMUM RANGE		
CONDITION	**Yards**	**Meters**
Reflective Target	1500	1371
Trees	1250	1143
Deer	950	868

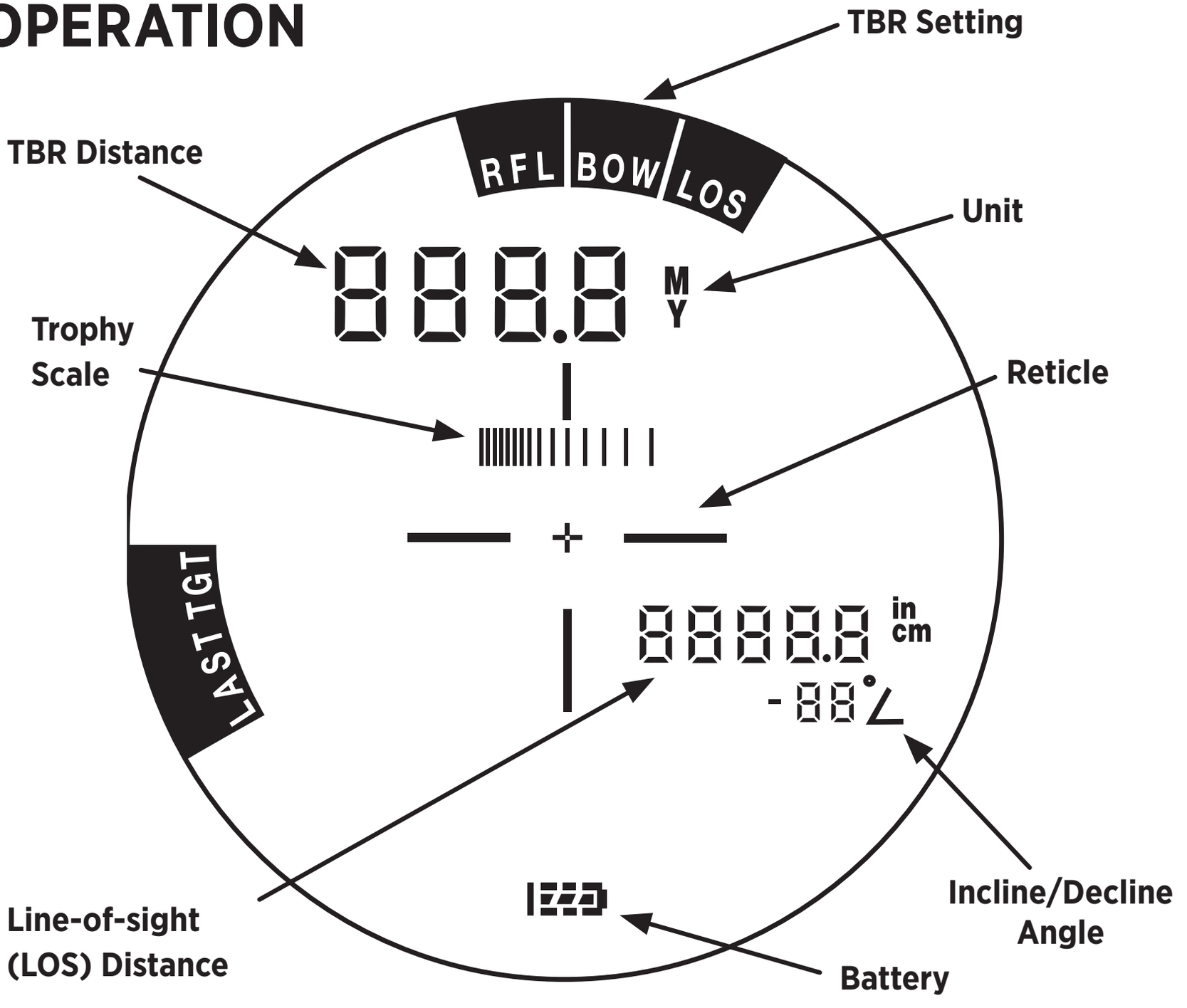
The surface texture, color, size, and shape of the target all affect reflectivity, which in turn affects the maximum range of the instrument. As a rule of thumb, brightly colored targets are much more reflective than darker targets. Tan game coats are more reflective (and thus provide a more solid reading) than a black roof. A shiny surface is more reflective than a dull surface. Smaller targets are more difficult to range than larger targets. Light conditions, haze, fog, rain, and other environmental conditions can all affect ranging performance. Any factor which degrades air clarity will reduce the maximum effective range. The sun generates infrared energy that can degrade ranging performance in bright conditions or when ranging towards the sun.

SPECIFICATIONS

The RX-1500i TBR/W provides a variety of modes to choose from, allowing you to tailor its performance to changing conditions in the field. Model features are identified on the following pages.

	RX-1500i TBR/W
Magnification	6x
High Light Transmission LCD	Yes
Inclinometer	Yes
True Ballistic Range/Wind (TBR/W)	Yes
Bow Mode	Yes
Line-of-sight Distance (LOS)	Yes
Trophy Scale	Yes
Last Target Mode	Yes
Yards / Meters Mode	Yes
Scan Mode	Yes
Battery Life	>5,000 Actuations
Weight	7.0 oz
Dimension (Inches)	4.0 x 2.5 x 1.5
Battery Status Indicator	Yes
Warranty	2 Years
Waterproof	Yes
Accurate +/- .5 Yard @ <125yds.	Yes

OPERATION



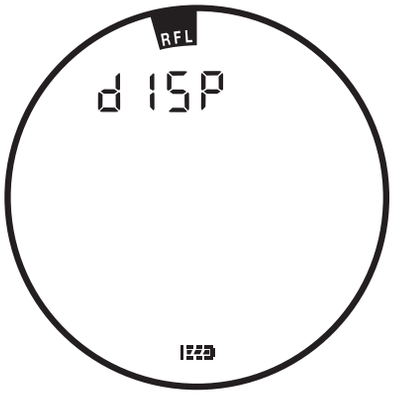
Display shown with all possible segments visible

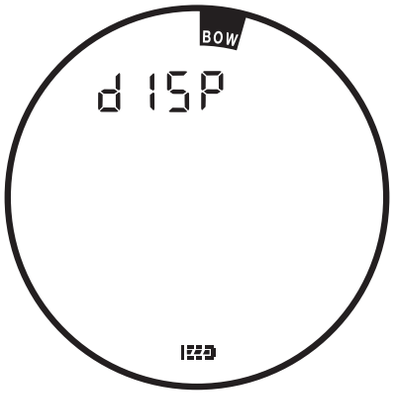
QUICK SET MENU

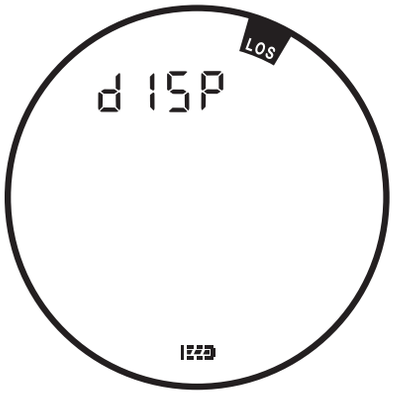
Once you push the POWER button, the unit is ready for set up. To enter the Quick Set Menu™, press and hold the MODE button for at least 1 second and then release the button.

To manipulate a function, press and release the MODE button until that function is displayed, then use the POWER button to change the setting. If this is the last function to be changed, you can allow the rangefinder to sit idle for 30 seconds which will cause an automatic power-off, saving all selections. If additional functions require manipulation, simply press and release MODE to continue through the Quick Set Menu. Pressing and holding MODE for 1 second at any time will save all changes, exit the Quick Set Menu, and prepare the rangefinder for immediate use.

NOTE: *Activating certain modes automatically disables other modes. For example, activating the yards mode will automatically deactivate the meters mode.*







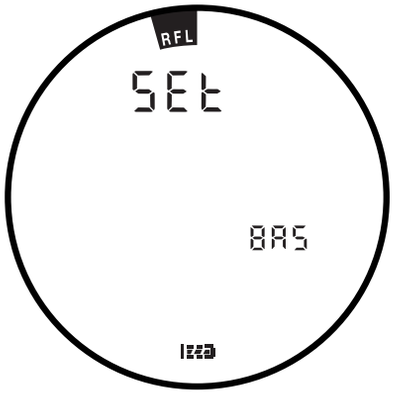
FUNCTION 1: RFL, BOW OR LOS

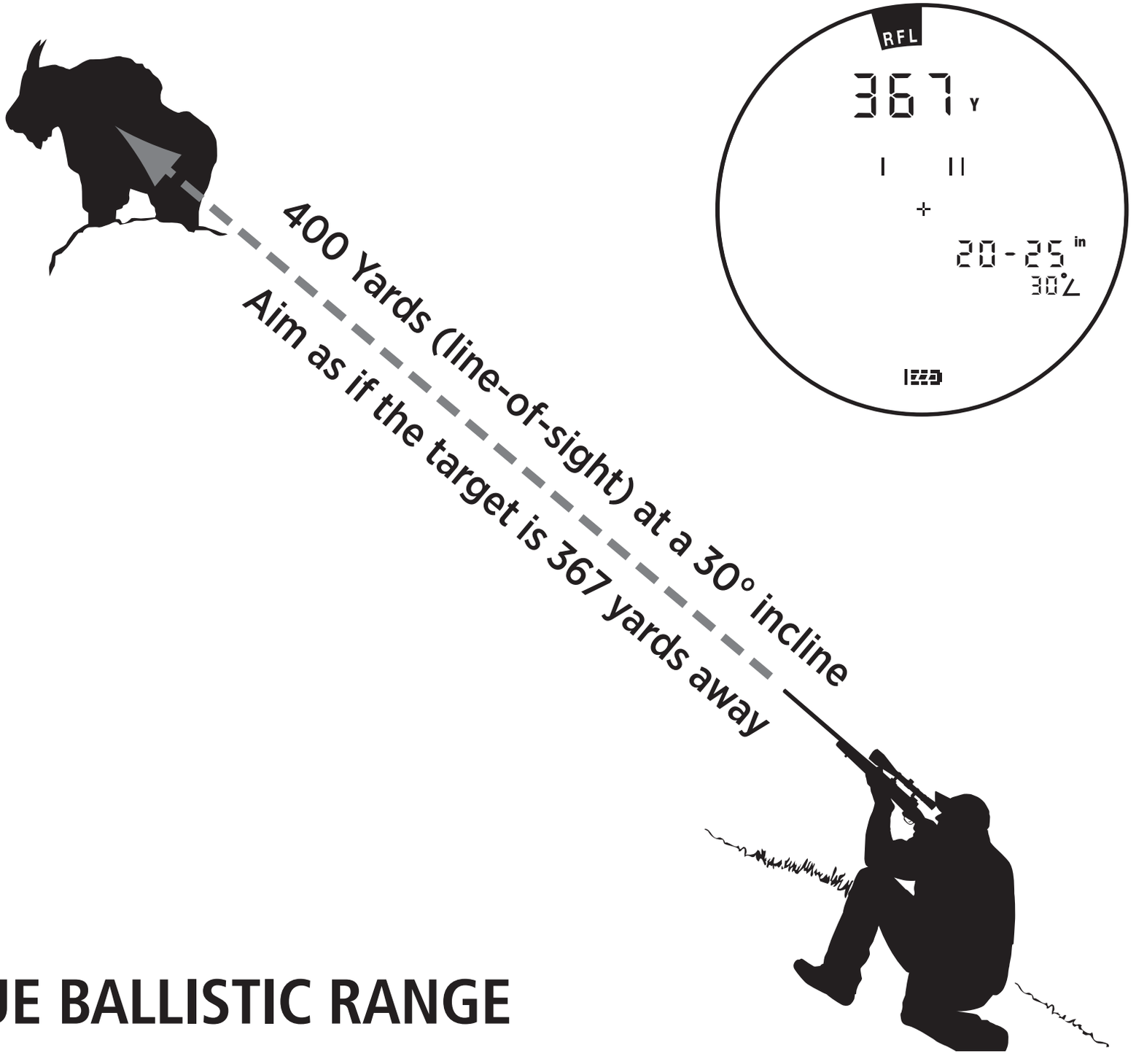
To activate RFL, BOW, or LOS, turn on the RX-1500i TBR/W by pressing the POWER button, then press the MODE button and release it after 1 second to enter the menu. While “dISP” is shown in the display, press and release the POWER button to rotate through RFL, BOW, and LOS modes. Once the desired mode is displayed, press the MODE button.

TRUE BALLISTIC RANGE (TBR) FOR RIFLE USERS

TBR calculates the equivalent horizontal range (level fire range) from which you can determine the correct aim for the conditions. For example, if you are shooting a .270 caliber, 130 grain bullet at 3,050 feet per second up a 30° incline at 400 yards, direct line-of-sight, the TBR output will be 367 yards. The first step in correctly using TBR is to Practice, Practice, Practice. Anytime you handle a firearm or bow, you are ultimately responsible for your projectile.

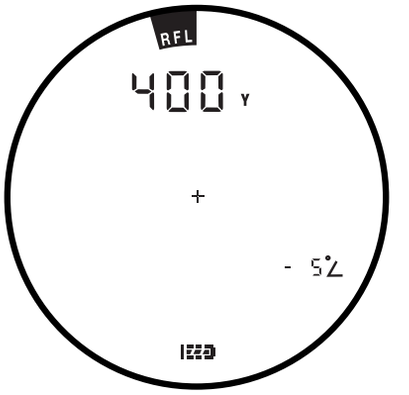
For rifle users, scope adjustment or holdover information can also be displayed. RFL mode is comprised of five functions: BAS, HOLD, MIL, MOA and TRIG. One of these modes must be selected when in RFL mode before moving on to choosing your ballistic group in Function 2. The available functions are described on pages 13-14. TBR for rifle (RFL) settings is effective to 800 yards. If the target is farther than 800 yards (731 meters), the LOS icon will flash while RFL remains displayed, and the resulting distance will be the line-of-sight distance only. Press MODE to enter the setup menu. To select the desired function, rotate through the “dISP” until RFL is reached (activate if necessary).



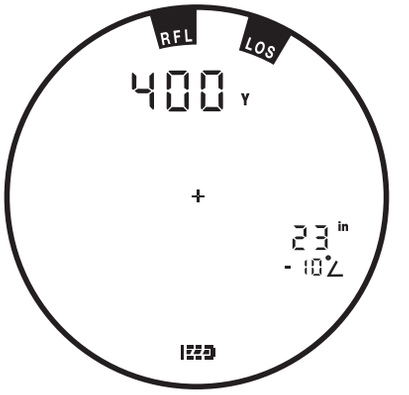


TRUE BALLISTIC RANGE

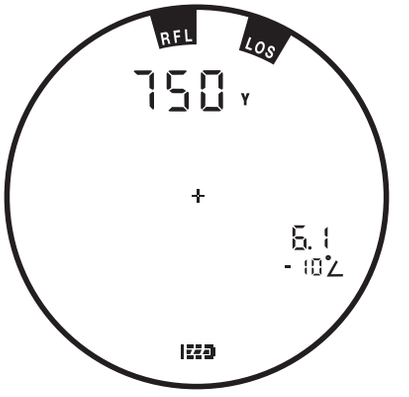
While the RFL icon is highlighted and the word “SEt” is shown in the upper display, pressing POWER repeatedly will scroll through BAS, HOLD, MIL, MOA, and TRIG respectively; press MODE when the desired function is displayed. For information regarding BOW and LOS settings, please see page 16.



BAS displays the equivalent horizontal range, which is based upon the angle of your shot and your selected ballistics group. This is the range you will want to use when shooting, rather than the line-of-sight distance, which may contain gross errors depending upon the shot angle. In the example to the right, the equivalent horizontal range is 400 yards.



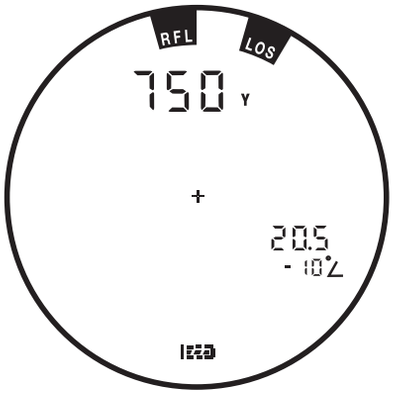
HOLD indicates the appropriate amount of inches/centimeters holdover to use, which is based upon the angle of your shot and your selected ballistics group. The upper display shows the line-of-sight distance to the target. In the example to the right, the line-of-sight distance is 400 yards, and the lower display suggests that you should hold 23 inches above your intended point of impact. If the RX-1500i TBR/W is set to range in meters, the appropriate holdover would be shown in centimeters.



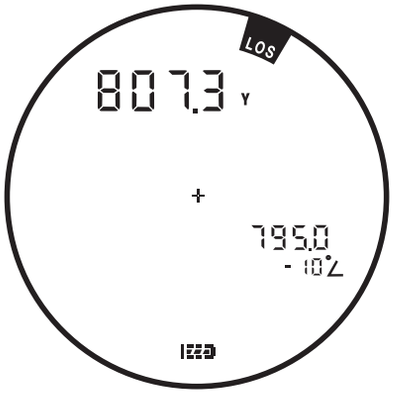
MIL will display the appropriate amount of holdover in milliradians to use, which is based upon the angle of your shot and your selected ballistics group. The upper display shows the line-of-sight distance to the target. The lower display shows the appropriate number of MIL to hold over or under. In the example to the right, the line-of-sight distance

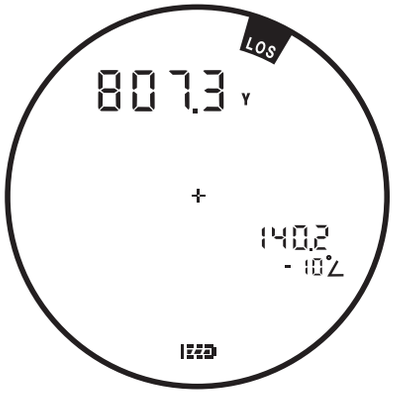
is 750 yards, and the lower display indicates that you should hold 6.1 MIL above your intended point of impact. Holdover values will be displayed in MIL for both yards and meters modes.

MOA mode will show the minute-of-angle adjustment for your target, which is based upon the angle of your shot and your selected ballistics group. The upper display shows the line-of-sight distance to the target. The lower display shows the appropriate number of MOA to adjust over or under your target. In the example to the right, the line-of-sight distance is 750 yards, and the lower display indicates that you should dial the scope up 20.5 MOA to account for bullet drop. Scope corrections will be displayed in MOA for both yards and meters modes.

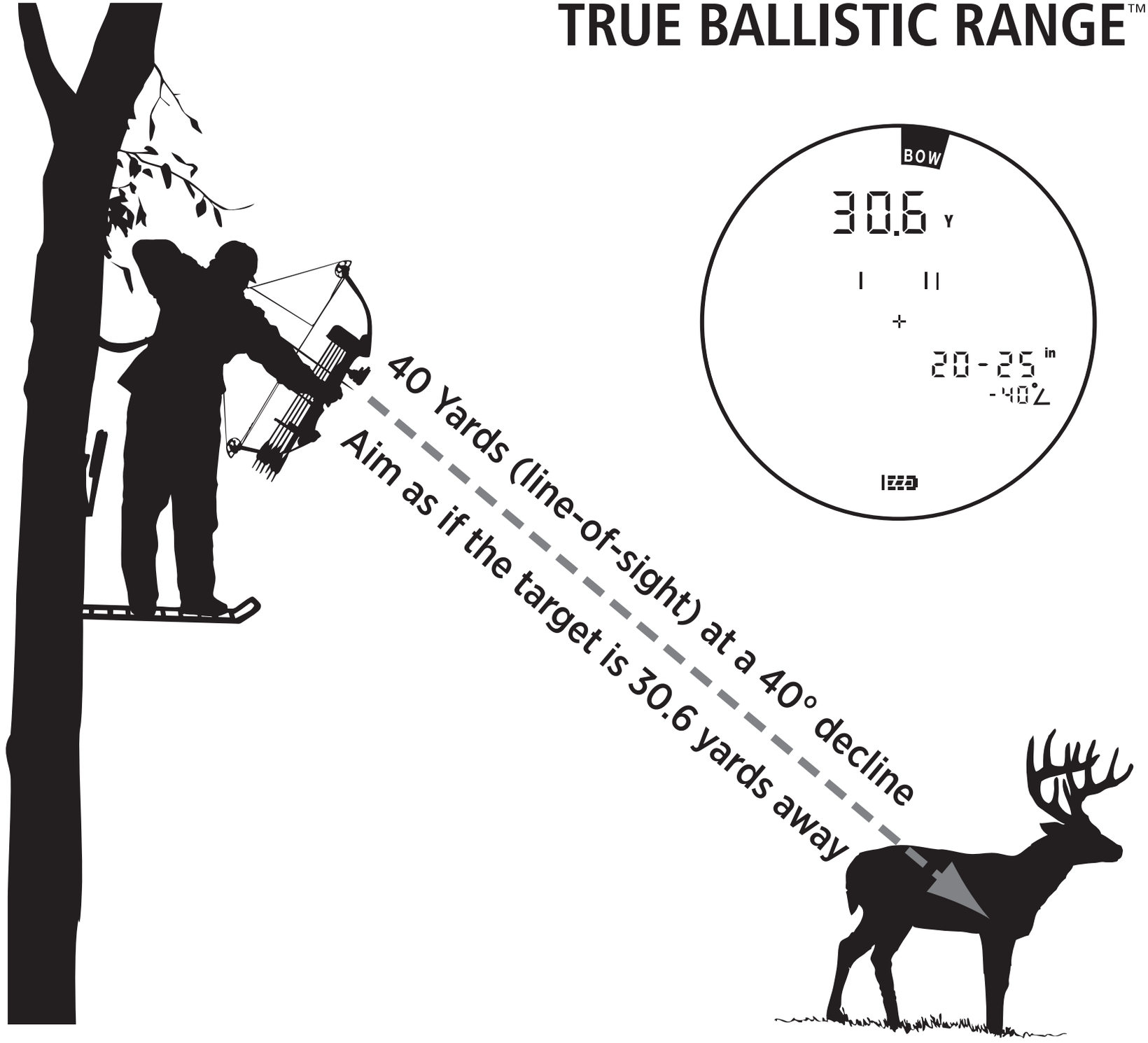


TRIG, a function that is included to support tradesmen and sportsmen, displays the true horizontal range and true vertical range, which is based upon trigonometry using angle and line-of-sight distance. Line-of-sight distance (LOS) readings will be displayed in the upper portion of the display. The lower display will briefly show the true horizontal distance (cosine) then the absolute value of the true vertical distance (sine). Have you ever wondered if that leaning tree would hit your home or tent if it fell? Measure the height by obtaining the true vertical distance and then measure the distance from your house or tent to the tree.





TRUE BALLISTIC RANGE™



BOW

This mode, when activated, works with TBR to provide the equivalent horizontal range (level fire range) for arrows. The displayed range represents the ballistically equivalent horizontal distance to the target if the target is 175 yards or less. If the target is farther than 175 yards (160 meters), the LOS icon will flash while BOW remains displayed, and the resulting distance will be the line-of-sight distance only. Most importantly, using BOW effectively means to Practice, Practice, Practice. Anytime you handle a firearm or bow, you are ultimately responsible for your projectile.

LINE-OF-SIGHT

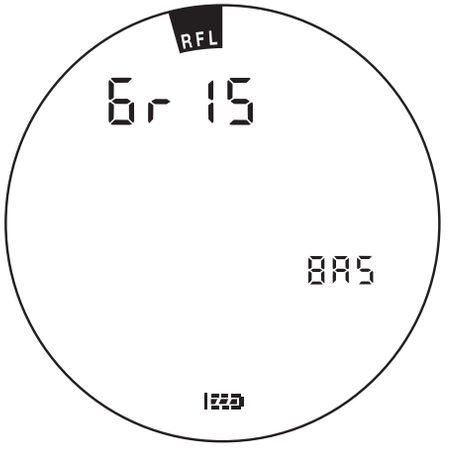
This mode, when activated, provides the straight-line distance to the target without accounting for shot angle or specific ballistics.

FUNCTION 2: TWENTY-FIVE RIFLE BALLISTICS GROUPS

TBR includes ballistics settings for twenty-five cartridge groups, which are displayed as 1 through 25 and specifically formulated for the four functions of TBR. For example, if your load is in Group 3, the displayed reading will account for the shot angle and provide the proper distance for holdover purposes (see the following tables). You must choose one of the twenty-five groups based on your load and ballistics information. The load table shows a common assortment of factory loads organized in their TBR performance groups. If you are shooting a similar bullet weight and muzzle velocity that falls into the provided selections, you can use that load group with full confidence.

For hand loads or any other unique loads not shown in the tables on pages 19-22, the table on the next page provides a guideline for selecting the appropriate TBR performance group. Check the ballistic performance of your bullet by consulting your reloading manual, ballistics software, or by referring to literature or Web sites provided by your cartridge manufacturer. You may also visit the Leupold Web site at leupold.com for more assistance in selecting your group. If you have your ballistics performance data, select your performance group from the table on the next page based on the bullet path at 600 yards. Be sure not to confuse bullet path with sight in distance. Bullet path height is the typical output of a ballistic calculator at the referenced 600 yards distance while sight in distance is your zero range.

To activate the appropriate ballistics group, RFL must be activated, and you must choose between BAS, MOA, MIL or HOLD. Once this has been done, pressing the MODE button will allow you to select the appropriate ballistics group. Gr (Group) will be shown in the upper display, and the current ballistics group will be shown in the upper display. Press and release POWER repeatedly to scroll through the available ballistics groups.



REMEMBER: *Knowing your theoretical bullet path at long ranges does not provide a license to take shots beyond ranges at which you have practiced, particularly at game animals or where stray shots could hit unintended targets. It is your responsibility to have intimate familiarity with the performance of your firearm and take full responsibility for the projectile. The RX-1500i TBR/W digital laser rangefinder may serve best as a tool for learning performance during practice at a secure range, so you are ready for that critical shot.*

TBR/W LOAD GROUP SELECTION TABLE: FOR BEST FIT UP TO 600 YARDS			
Load Group	Bullet Path Height @ 600 Yds.	10 MPH Crosswind Deflection @ 600 Yds	Sight-in Range
1	-42 to 48 inches*	10 to 28 inches	200 Yards
2	-48 to -54 inches	10 to 28 inches	200 Yards
3	-48 to -54 inches	28 to 46 inches	200 Yards
4	-54 to -60 inches	10 to 28 inches	200 Yards
5	-54 to -60 inches	28 to 46 inches	200 Yards
6	-60 to -66 inches	10 to 28 inches	200 Yards
7	-60 to -66 inches	28 to 46 inches	200 Yards
8	-66 to -72 inches	10 to 28 inches	200 Yards
9	-66 to -72 inches	28 to 46 inches	200 Yards
10	-72 TO -78 inches	10 to 28 inches	200 Yards
11	-72 to -78 inches	28 to 46 inches	200 Yards
12	-78 to -84 inches	10 to 28 inches	200 Yards
13	-78 to -84 inches	28 to 46 inches	200 Yards
14	-84 to -90 inches	10 to 28 inches	200 Yards
15	-84 to -90 inches	28 to 46 inches	200 Yards
16	-90 to -96 inches**	28 to 46 inches	200 Yards
17	-30 to -36 inches**	10 to 28 inches	300 Yards
18	-36 to -42 inches	10 to 28 inches	300 Yards
19	-42 to -48 inches	10 to 28 inches	300 Yards
20	-48 to -54 inches	10 to 28 inches	300 Yards
21	-48 to -54 inches	28 to 46 inches	300 Yards
22	-54 to -60 inches	10 to 28 inches	300 Yards
23	-54 to -60 inches	28 to 46 inches	300 Yards
24	-60 to -66 inches**	10 to 28 inches	300 Yards
25	-60 to -66 inches**	28 to 46 inches	300 Yards

* If your bullet height path is less than -42 inches at 600 yards with a 200 yard sight-in, then consider sighting-in at 300 yards and selecting load group 17 or 18. Alternately, you can use group 1 with a 200 yard sight-in, but the TBR/W will be less accurate.

** If your bullet height at 600 yards is greater than -96 inches with a 200 yard sight-in, or less than -30 or greater than -66 inches with a 300 yard sight-in, the TBR/W will be less accurate.

NOTE: *For a list of all available loads please go to leupold.com, locate the RX-1500i TBR/W product page, and navigate to Product Downloads section*

TBR/W PERFORMANCE GROUPS: LOAD TABLE			
200 YARD ZERO		200 YARD ZERO	
LOAD NAME (MUZZLE VELOCITY-FPS)	GRP	LOAD NAME (MUZZLE VELOCITY-FPS)	GRP
22-250 Rem. 50 gr. Ballistic Silvertip (3810)	5	6mm Rem. 80 gr. SP American Eagle (3470)	2
22-250 Rem. 55 gr. Nolser Ballistic Tip (3680)	3	26 Nolser 142 gr. AccuBond (3300)	1
22-250 Rem 55 gr. Power-Lokt HP (3680)	7	270 Win. 130 gr. Core-Lokt SP (3060)	9
22-250 Rem 55 gr. SP American Eagle (3680)	7	270 Win. 130 gr. Nosler Ballistic Tip (3060)	6
223 Rem 62 gr. FMJBT American Eagle (3020)	11	270 Win. 130 gr. SP American Eagle (3060)	9
223 Rem 69 gr. Sierra HPBT Match (2950	13	270 Win. 140 gr. Core-Lokt Ultra Bonded (2925)	11
223 Rem 77 gr. Sierra HPBT Match (2750)	15	270 Win. 150 gr. Federal Fusion (2850)	8
243 Win. 100 gr. Core-Lokt PSP (2960)	11	270 Win. 150 gr. Power Point (2850)	13
243 Win. 100 gr. Core-Lokt UltraBond (2960)	9	270 WSM 130 gr. Core-Lokt (3285)	5
25-06 Rem. 100 gr. Core-Lokt PSP (3230)	9	7mm Rem. Mag. 140 gr. Nosler AccuBond (3110)	4
25-06 Rem. 120 gr. Federal Fusion (2980)	9	7mm Rem. 150 gr. Core-Lokt PSP (3110)	9
25-06 Rem. 85 gr. Ballistic Silvertip (3470)	3	7mm-08 140 gr. Power Point (2800)	13
6.5 Creedmoor 129 gr. SST (2950)	6	7mm Rem. Mag. 150 gr. Federal Fusion (3100)	4
6.5 Creedmoor 140 gr. A-MAX (2710)	10	7mm Rem. Mag. 150 gr. Nosler Ballistic Tip (3025)	6
6.5 Creedmoor 140 gr. Custom Competition (2550)	14	7mm Rem. Mag. 150 gr. SP American Eagle (3110)	7
6.5-284 130 gr. AccuBond (2900)	8	7mm WSM 160 gr. Nosler Partition (3160)	4
6.5-284 140 gr. AccuBond (2800)	8	7mm WSM 150 gr. SP American Eagle (3100)	7
6.5-284 130 gr. SP AccuBond (2900)	8	7mm-08 139 gr. SP Interlock (2840)	13
6mm Rem. 100 gr. Core-Lokt PSP (3100)	9	7mm-08 139 gr. SST Interlock (2800)	10
6mm Rem. 100 gr. SP American Eagle (3100)	9	7mm-08 140 gr. Power Point (2800)	13

continued on next page

TBR/W PERFORMANCE GROUPS: LOAD TABLE			
200 YARD ZERO		200 YARD ZERO	
LOAD NAME (MUZZLE VELOCITY-FPS)	GRP	LOAD NAME (MUZZLE VELOCITY-FPS)	GRP
7mm 175 gr. SP Interlock (2800)	10	30-06 165 gr. Nosler Ballistic Tip (2800)	10
7-08 Rem. 140 gr. Nosler AccuBond (2800)	10	30-06 165 gr. Nosler Ballistic Tip (2750)	10
7-08 Rem. 140 gr. Nosler Patition (2800)	10	30-06 165 gr. Pointed Soft Point (2800)	15
28 Nosler 175 gr. AccuBond (3125)	2	30-06 165 gr. Sierra SBT GameKing (2800)	13
300 RUM 150 gr. Swift Scirocco Bonded (3450)	1	30-06 168 gr. Ballistic Silvertip (2790)	10
300 RUM 180 gr. Core-Lokt Ultra Bonded (3250)	4	30-06 180 gr. Ballistic Silvertip (2750)	10
300 Wby. 180 gr. Nosler Partition (3240)	2	30-06 180 gr. Core-Lokt PSP (2700)	15
300 Wby. Mag. 180 gr. Barnes Triple Shock (3110)	4	30-06 180 gr. Federal Fusion (2700)	10
300 Win Mag 150 gr. Core-Lokt PSP (3290)	7	30-06 180 gr. Nosler Partition (2700)	12
300 Win Mag 150 gr. Core-Lokt Ultra Bonded (3290)	7	30-06 180 gr. Silvertip (2700)	15
300 Win. Mag. 165 gr. Federal Fusion (3200)	4	30-06 180 gr. SP American Eagle (2700)	15
300 Win. Mag. 180 gr. Core-Lokt Ultra Bonded (2960)	9	30-06 180 gr. Trophy Bonded Bear Claw (2650)	16
300 WSM 180 gr. SP American Eagle (2970)	9	30-06 180 gr. Core-Lokt Ultra Bond (2700)	15
300 Win. Mag. 180 gr. Federal Fusion (2960)	6	308 Win. 150 gr. Nosler Ballistic Tip (2820)	10
300 Win. Mag. 180 gr. Nosler AccuBond (2960)	6	308 Win. 150 gr. Power Point (2820)	16
300 Win. Mag. 180 gr. Nosler Partition (2960)	11	308 Win. 165 gr. Barnes Triple Shock (2650)	16
300 Win. Mag. 180 gr. Power Point (2960)	8	308 Win. 165 gr. Nosler AccuBond (2730)	12
300 WSM 180 gr. Ballistic Silvertip (3010)	6	308 Win. 165 gr. Nosler Ballistic Tip (2650)	12
300 WSM 180 gr. SP American Eagle (2970)	9	308 Win. 165 gr. Sierra SBT GameKing (2700)	15
30-06 150 gr. Ballistic Silvertip (2900)	8	308 Win. 168 gr. Hornady Match HP (2650)	15
30-06 150 gr. Core-Lokt PSP (2910)	13	308 Win. 180 gr. Core-Lokt Ultra Bonded (2620)	16
30-06 150 gr. Federal Fusion (2900)	9	308 Win. 180 gr. Nosler AccuBond (2750)	10
30-06 150 gr. Power Point (2920)	15	308 Win. 180 gr. Nolser Partition (2620)	14
30-06 150 gr. Silvertip (2910)	13	308 Win. 180 gr. Silvertip (2620)	16
30-06 165 gr. Core-Lokt PSP (2800)	15	338 Lapua 250 gr. Sierra HPBT Match (2950)	6
30-06 165 gr. Federal Fusion (2790)	10		

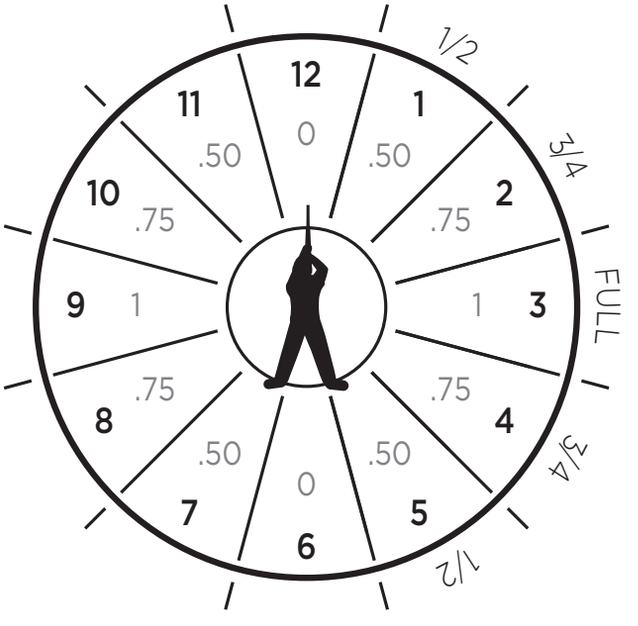
TBR/W PERFORMANCE GROUPS: LOAD TABLE			
300 YARD ZERO		300 YARD ZERO	
LOAD NAME (MUZZLE VELOCITY-FPS)	GRP	LOAD NAME (MUZZLE VELOCITY-FPS)	GRP
26 Nosler 142 gr. AccuBond (3300)	17	7mm Rem. Mag. 175 gr. SP American Eagle (2860)	22
6.5 Creedmoor 129 gr. SST (2950)	20	7mm WSM 150 gr. Power Point (3200)	21
6.5 Creedmoor 140 gr. A-MAX (2710)	22	7mm-08 140 gr. Ballistic Silvertip (2770)	24
6.5-284 130 gr. AccuBond (2900)	20	7-08 Rem. 140 gr. Nosler Partition (2800)	24
6.5-284 140 gr. Accubond (2800)	22	280 Rem. 150 gr. Nosler Partition (2890)	22
300 Wby. Mag. 180 gr. Nosler Partition (3190)	19	280 Rem. 160 gr. Nosler AccuBond (2800)	22
300 Wby. Mag 180 gr. Trophy Bonded Bear Claw (3040)	23	300 RSAUM 165 gr. Core-Lokt PSP (3075)	23
300 Win. Mag. 150 gr. Core-Lokt PSP (3290)	21	300 RUM 180 gr. Core-Lokt Ultra Bonded (3250)	19
300 Win. Mag. 150 gr. Core-Lokt Ultra Bonded (3290)	21	300 Wby. 150 gr. Nosler Partition (3540)	18
300 Win. Mag. 150 gr. Federal Fusion (3200)	19	300 Wby. 165 gr. Nosler Ballistic Tip (3350)	18
222 Rem. 55 gr. FMJBT American Eagle (3240)	23	300 Win. Mag. 150 gr. Power Point (3290)	21
22-250 Rem. 55 gr. Power-Lokt HP	21	300 Win. Mag. 165 gr. Federal Fusion (3200)	19
25-06 Rem. 110 gr. Nosler AccuBond (3100)	20	300 Win. Mag. 165 gr. Nosler Partition (3050)	20
25-06 Rem 117 gr. Sierra SBT GameKing (2990)	23	300 Win. Mag. 178 gr. Hornady A-Max (3000)	20
257 Wby. 100 gr. Barnes TSX (3570)	17	300 Win. 180 gr. AccuBond CT (2950)	20
257 Wby. 110 gr. Nosler AccuBond (3460)	18	300 Win. Mag. 180 gr. Core-Lokt Ultra Bonded (2960)	23
260 Rem. 120 gr. Nosler Ballistic Tip (2950)	22	300 Win. 180 gr. Federal Fusion (2960)	20
264 Win. Mag. 120 gr. Core-Lokt PSP (3210)	21	300 Win. Mag. 180 gr. Nosler AccuBond (2960)	20
270 Wby. 150 gr. Nosler Partition (3245)	19	300 Win. Mag. 180 gr. Nosler Partition (2960)	23
270 Win. 130 gr. Core-Lokt sp (3060)	23	300 WSM 150 gr. Power Point (3270)	21
7mm 140 gr. SP AccuBond (3000)	20	300 WSM 165 gr. Nosler Partition (3130)	20
7mm Rem. Mag. 140 gr. AccuBond CT (3180)	19	30-06 150 gr. Core-Lokt Ultra Bond (2910)	25
7mm Rem. Mag. 150 gr. Power Point (3090)	21	30-06 165 gr. Nosler Partition (2830)	23
7mm Rem. Mag. 175 gr. Federal Fusion (2760)	22	30-06 180 gr. Nosler Accubond (2700)	24
7mm-08 140 gr. Ballistic Silvertip (2770)	24	30-378 Wby. 165 gr. Nosler Ballistic Tip (3500)	17

continued on next page

TBR/W PERFORMANCE GROUPS: LOAD TABLE			
300 YARD ZERO		300 YARD ZERO	
LOAD NAME (MUZZLE VELOCITY-FPS)	GRP	LOAD NAME (MUZZLE VELOCITY-FPS)	GRP
30-378 Wby. 180 gr. Nosler AccuBond (3400)	18	338 Win. Mag. 225 gr. Nosler Accubond (2800)	22
308 Win. 150 gr. Federal Fusion (2820)	25	50 BMG 750 gr. BoreRider (2700)	20
338 Win. Mag. 180 gr. Nosler AccuBond (3120)	21	50 BMG 800 gr. BoreRider (2650)	20
338 Win. Mag. 200 gr. Power Point (2960)	25	50 Cal 750 gr. A-Max (2650)	20
338 Win. Mag. 210 gr. Nosler Partition (2830)	25	Lapua Mag. 300 gr. Trophy Gold OTM (2762)	20
338 Win. Mag. 225 gr. Core-Lokt Ultra Bonded (2780)	22		

WIND

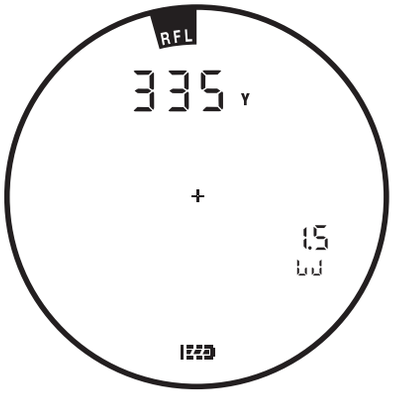
Pressing MODE after your ballistic group has been selected will allow you to activate or deactivate the wind hold feature. When activated, the rangefinder will first display the distance to the target then show the appropriate wind hold for the selected output. **If the selected output is TRIG or LOS wind cannot be activated.**



Wind Values

WIND will provide a fixed 10 mph full wind value, meaning it assumes the wind is at 90 degrees to the muzzle. We chose 10 mph as a way for the user to easily calculate corrections on the fly. If the wind is 5 mph, from the 3 o'clock or 9 o'clock position, the shooter would halve the hold value. If the wind is 20 mph, the shooter would double the wind hold value. If the wind isn't blowing at 90 degrees to the muzzle, the shooter needs to adjust the hold

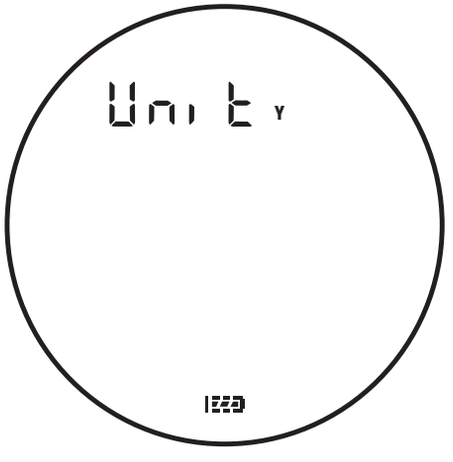
value per the diagram shown. For example, if the wind is at 45 degrees to the muzzle, adjust the wind hold value by 75%. Because wind values change so quickly, we have found that this method of generating correction values for speed and direction will help you get on target easier and faster.

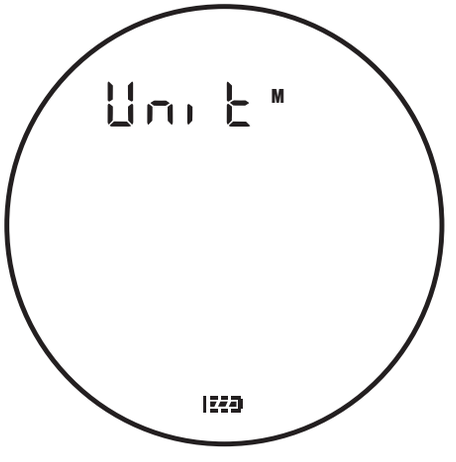


Wind hold values will be displayed in the same output format as elevation; either minute-of-angle (MOA), milliradians (MIL), or inches/cm hold values. TBR/W provides .5 MOA accuracy on elevation, and 1.5 MOA accuracy on wind values at 600 yards for cartridges expected to reach that distance. As with TBR, the maximum distance is 800 yards. If wind output is on, once the elevation hold values are displayed, the rangefinder will update and show the wind hold values. Here is an example of the BAS (and MOA) output wind hold display. The upper display shows a 335 yard line-of-sight and the lower display shows a 1.5 MOA wind hold value.

FUNCTION 3: UNIT OUTPUT

To choose between yards and meters, navigate through the Quick Set Menu by pressing the MODE button until “Unit” is shown in the upper display. Press and release the POWER button to alternate between yards and meters.

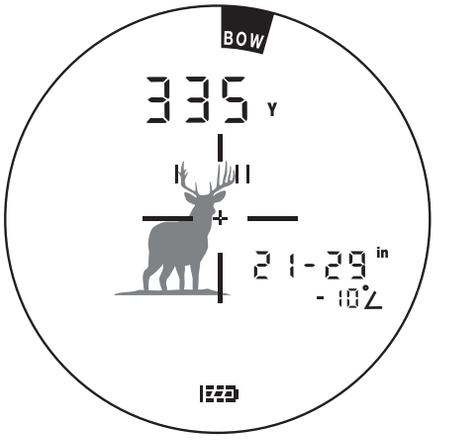




FUNCTION 4: TROPHY SCALE™

The RX-1500i TBR/W lets you instantly and accurately judge the width and/or height of a target using Trophy Scale. To use this function properly, you must enter the width/height measurement you would like to use as a baseline.

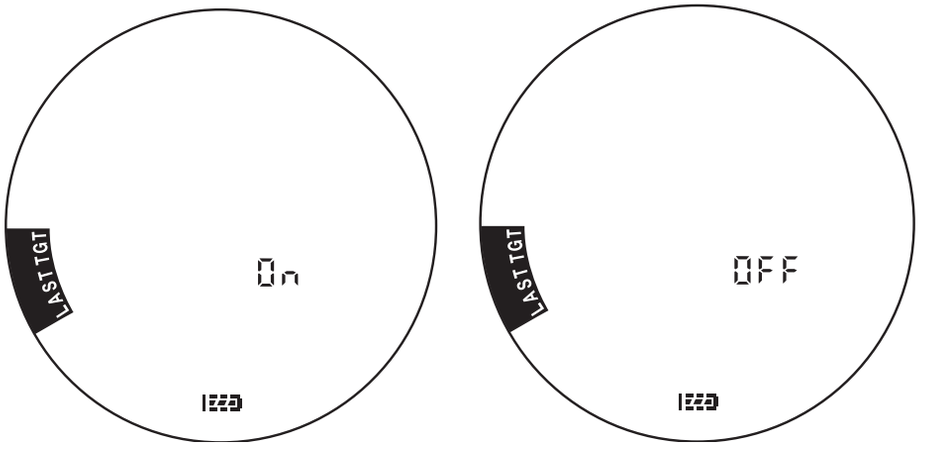
To set the Trophy Scale, enter the Quick Set Menu and activate Trophy Scale. Once Trophy Scale has been activated, press MODE to enter the Trophy Scale value set-up. At this point, the Trophy Scale value will be flashing; pressing POWER will increase the Trophy Scale value two inches/5 cm at a time. The Trophy Scale value will begin at 20”/50 cm, for the initial set-up. After that the last saved value will be used as a baseline for subsequent changes, and will progress up to 60”/150 cm. Press MODE or wait for the power to “time out” to save the baseline measurement.



Once the baseline Trophy Scale value has been saved, the Trophy Scale bracketing system will automatically adjust to changing distances to the target, displaying a single mark on the left and two marks on the right. To use Trophy Scale, place the left edge of the target on the left mark, the two marks on the right will represent a range of widths; for example, the closest of the right marks may represent a width of 21”, and the farther mark may represent a width of 29”. If the target falls perfectly between the left mark and the closer right mark, it measures 21”. If the target falls perfectly between the left mark and the farthest right mark, it measures 29”. If the target falls between the two right marks, it measures approximately 25”. To measure height, the same marks are used, but the RX-1500i TBR/W rangefinder must be held on its side.

It is important to note that distance may limit the sizes available as a baseline measurement; small measurements may be limited at long distances and large measurements may be limited at short distances. Trophy Scale measurements are for reference only and may not be exact. **Trophy Scale and Wind are not available at the same time in HOLD, MIL and MOA output. If both features are turned on, the unit will default to Trophy Scale off and Wind on.**

FUNCTION 5: LAST TARGET MODE

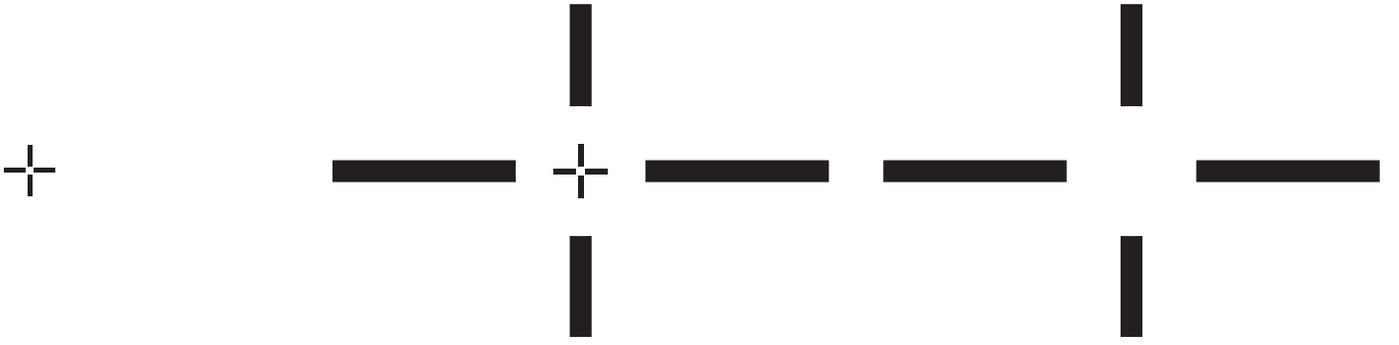


Last Target Mode ensures an accurate reading on the farthest object being ranged when more than one object may be read. For example, in inclement weather such as rain, snow, or fog, Last Target Mode punches through the moisture in the air to correctly calculate the distance to your target. Tree stand hunters can also benefit from this mode when ranging through tree limbs.

To activate Last Target Mode, navigate through the Quick Set Menu by pressing the MODE button until the Last Target icon is shown in the left portion of the display. Press and release the POWER button to turn Last Target on/off.

FUNCTION 6: 3 SELECTABLE RETICLES

This mode allows you to choose any one of the 3 preloaded reticles as the primary aiming point for the RX-1500i TBR/W digital laser rangefinder. To select a reticle, press Mode repeatedly until the current reticle is blinking. Press POWER repeatedly to scroll through the available reticles, then press MODE when the preferred reticle is shown. The reticle choices are as follows:



Plus Point

Ideal for varmints and other small targets. Small open center avoids coverage of very small or distant targets.

Reticle with Plus Point

Reticle without Plus Point

Familiar reticle to shooters from riflescopes; draws eye to the center, easy to see.

CLEANING/MAINTENANCE

Blow away dust or debris on lenses, or use a soft lens brush (such as the one found on the Leupold LensPen). To remove fingerprints, water spots, or dirt, use a soft cotton cloth or the cleaning end of the Leupold LensPen. A lens tissue with lens cleaning fluid may be used for more stubborn dirt. Always apply cleaning fluid to the cleaning cloth, never directly to the lens.

To insert a new battery, remove the battery cover (shown in the diagram on page 5) and remove the exhausted battery. Insert a new CR-2 battery, negative terminal first, into the battery compartment, then close the battery cover.

To focus the digital laser rangefinder, turn the eyepiece left or right until crisp display focus is achieved.

The RX-1500i TBR/W is waterproof.

The RX-1500i TBR/W includes a lanyard and is equipped with a lanyard attachment for added security in the field. An instructional supplement is supplied in the inside pocket of the included case.

HELPFUL HINTS FOR USING THE RX-1500i TBR/W DIGITAL LASER RANGEFINDER

HOW DO I ACTIVATE TRUE BALLISTIC RANGE (TBR)?

See Function 1 on page 11. Be sure to select the proper group for rifles on pages 18-22.

HOW DO I ACTIVATE SIMPLE Line-of-sight (LOS) RANGE?

Follow the Quick Set Menu procedure (see page 10).

WHEN I SHOOT BASED ON THE TRUE BALLISTIC RANGE READOUT PROVIDED BY THE RANGEFINDER, THE PROJECTILE IS NOT HITTING THE TARGET.

The first step in correctly using TBR/W is to Practice, Practice, Practice. Anytime you handle a firearm or bow, you are ultimately responsible for your projectile. Be certain that if you're shooting a bow that "BOW" is turned on. Be certain that if you're shooting a rifle that "RFL" is turned on. Be certain you selected the correct ballistics groups (see pages 18-22 for rifles). It is imperative that a rifle be sighted-in at the recommended range.

For rifles, ballistics performance of firearms and ammunition may vary from manufacturers published information.

RANGEFINDER DOES NOT PROVIDE RANGE.

Make sure that the POWER button is being depressed (as opposed to the MODE button)

Make sure that nothing, such as your hand or finger, is blocking the lenses as this could interfere with the emission and reception of the laser pulses

Make sure to hold the unit steady while depressing the POWER button

When using BOW mode, it is important to note that TBR distances are limited to 175 yards. Returns greater than 175 yards will be displayed as LOS and the LOS icon will flash

Make sure the target is at least 6 yards away

WARRANTY/REPAIR

The Leupold Electronics Warranty covers any defects in materials and workmanship in the electronic components of RX, GX, and PinCaddie Rangefinders products. This warranty lasts for two years from the date of purchase. For complete warranty details, visit leupold.com/warranty

In the event of a need for service or repair, please visit leupold.com/rma/warranty/create/ and follow the instructions there to start the warranty process. When shipping the product, include the packing slip that will be provided.

BY PARCEL SERVICE:

Leupold Product Service
14400 NW Greenbrier Parkway
Beaverton, OR 97006-5791 USA

POSTAL SERVICE:

Leupold Product Service
P.O. Box 688
Beaverton, OR 97075-0688 USA

For product questions, consult the Leupold Web site at: leupold.com or call (800) LEUPOLD (538-7653).

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