LEUPOLD

RX[™] Series Laser Rangefinders

OPERATING INSTRUCTIONS

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Introduction

Congratulations! You have purchased a Leupold RX[™] Series digital laser rangefinder that has been designed by Leupold's engineers and designers to be the best rangefinder on the market and to provide you with years of solid performance in the field. Following are detailed instructions regarding the proper use and employment of your RX Series rangefinder. To ensure top performance for the life of the product, please read these instructions before operating your RX-I, RX-II, RX-III, or RX-IV.

Your new Leupold RX Series digital laser rangefinder is a revolutionary, rangefinding device that incorporates advanced digital electronics with state-ofthe-art ballistic algorithms. True Ballistic Range[™] algorithms were developed by the same engineers who developed Sierra Infinity[®] Exterior Ballistics Software and who helped develop navigation and guidance systems for ICBMs and other missiles with far more demanding trajectory requirements than a hunting bullet. Other useful features that are included are an inclinometer, thermometer, compass, and the Match 13[™] Reticle System[™], but the truly innovative and unique feature is True Ballistic Range (TBR[®]), which is available on RX-II, RX-III, and RX-IV models.

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True Ballistic Range (TBR) is a marriage of laser ranging, inclinometer, and an advanced computerized ballistics program. The result is distance measuring precise 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 distance to your target. True Ballistic Range delivers the ballistically equivalent range to the target, accounting for the effects of inclines (either up or down) on the path of your bullet or arrow. Other features that are provided for firearms are outputs that display either MOA adjustments, or inches/ centimeters of holdover at that specific distance. True Ballistic Range eliminates any potentially significant error, and provides a precise range for your aiming calculations. TBR is matched to each of seven firearm ballistic groups and three archery ballistic groups, allowing use with most popular firearms and bows.

The ranging accuracy of all Leupold RX Series rangefinders is +/- one yard/meter. The maximum range of the unit depends on the reflectivity of the target (as do all rangefinders). Below is a reference table listing the ranges of the various models under different conditions: (see page below)

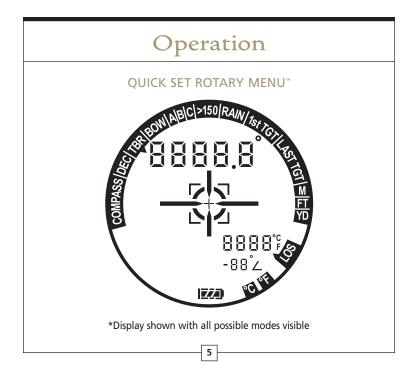
	MAXIMUM RANGE			
CONDITION	RX-I	RX-II	RX-III	RX-IV
Reflective Target (yd)	750	750	1200	1500
Trees (yd)	600	600	800	900
Deer (yd)	500	500	700	800

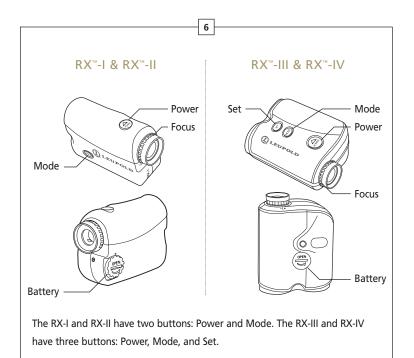
Surface texture, color, size and shape of the target all affect the reflectivity, which in turn affects the maximum range of the instrument, to some degree. As a rule of thumb, brightly colored targets are much more reflective than darker targets. Tan game coats are more reflective (and thus provide 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 is a negative to making the rangefinder work to the longest practical distances.

Specifications

The RX Series of digital laser rangefinders provides a variety of useful modes to tailor performance to the conditions you experience in the field. The particular models that feature each mode are identified on the following page.

	RX-I	RX-II	RX-III	RX-IV
Magnification	6×	6×	8×	8×
Inclinometer	No	Yes	Yes	Yes
TBR (True Ballistic Range)	No	Yes	Yes	Yes
Match 13 [™] Reticle System [™]	Yes	Yes	Yes	Yes
Quick Set Rotary Menu [™]	Yes	Yes	Yes	Yes
Long Range Mode	Yes	Yes	Yes	Yes
Rain Mode	No	Yes	Yes	Yes
1" Target Mode	No	Yes	Yes	Yes
Last Target Mode	No	Yes	Yes	Yes
Line of Sight Distance (LOS)	Yes	Yes	Yes	Yes
Compass With Declination Setting	No	No	No	Yes
Compass With Tilt Compensation	No	No	No	Yes
Thermometer °C to °F	Yes	Yes	Yes	Yes
Yards/Feet/Meters Mode	Yes	Yes	Yes	Yes
Scan Mode	Yes	Yes	Yes	Yes
Illuminated Display	No	No	Yes	Yes
Clear Field Tisplay Cleanup Mode	Yes	Yes	Yes	Yes
Battery Life	2000 Actuations	2000 Actuations	2000 Actuations	2000 Actuations
Weight	6.8 oz	6.8 oz	12 oz	12 oz
Dimension (Inches)	4.2" × 3" × 1.75"	4.2" × 3" × 1.75"	4.8" × 3.5" × 2"	4.8" × 3.5" × 2"
Low Battery Indicator	Yes	Yes	Yes	Yes
Warranty	1 Year	1 Year	2 Years	2 Years
Weatherproof/Waterproof	Weatherproof	Weatherproof	Waterproof	Waterproof





When you initially push the Power button, the unit is ready for scanning. When you first press the Mode button, the Quick Set Rotary Menu[™] is prepared for navigation. To set or activate a function, you must advance the mode selector to that function by pressing the Mode button until that function is flashing by itself. To lock in that function, press the Set button if using a RX-III or RX-IV; press the Power button if using a RX-II or RX-II.

NOTE: Activating certain modes automatically disables other modes. For example, 1st Target and Last Target Mode work in an opposite way, so when one is activated the other is automatically turned off to ensure proper ranging function. Long Range and Rain Mode can be on at the same time.

FUNCTION 1: LONG RANGE MODE

This mode is used when you want the rangefinder to range only those items beyond 150 yards. If you are ranging targets closer than 150 yards, turn the Long Range Mode off.



FUNCTION 2: RAIN MODE

The Rain Mode is used in rainy conditions and screens out false returns from raindrops or other atmospheric interference to provide an accurate range.

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FUNCTION 3: 1st TARGET MODE

1^α Target Mode is used to display the range to the closest object when more than one object may be hit by the beam. Multiple objects will often return an average distance. 1^α Target Mode ensures an accurate reading on the closest object.

Last Target Mode is automatically disabled while 1st Target Mode is activated.



FUNCTION 4: LAST TARGET MODE

This mode is used to find the distance of the farthest object when more than one object may be read. Multiple objects will often return an average distance. Last Target Mode ensures an accurate reading on the farthest object.



1st Target Mode is automatically disabled while Last Target Mode is activated.

FUNCTION 5: METER OUTPUT

This mode displays both LOS (Line of Sight) and TBR ranges in meters, and will disable readings in yards or feet. TBR is displayed with one decimal place resolution in large numbers just above the reticle, LOS is displayed in small numbers above the angle readout (just below and to the right of the reticle).



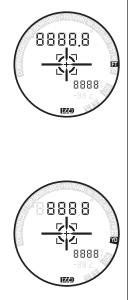
FUNCTION 6: FEET OUTPUT

This mode displays both LOS (Line of Sight) and TBR ranges in feet, and will disable readings in yards or meters. TBR is displayed with one decimal place resolution in large numbers just above the reticle, LOS is displayed in small numbers above the angle readout (just below and to the right of the reticle).

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FUNCTION 7: YARDS OUTPUT

This mode displays both LOS (Line of Sight) and TBR ranges in yards, and will disable readings in meters or feet. TBR is displayed (no decimal place resolution) in large numbers just above the reticle, LOS is displayed in small numbers above the angle readout (just below and to the right of the reticle).



FUNCTION 8: LINE OF SIGHT OUTPUT

This mode, when activated, provides the straight line distance to the target. The output is displayed in smaller numbers just below and to the right of the reticle.

NOTE: On the RX-I model, LOS is displayed in large numbers above the reticle (in the TBR position).



FUNCTION 9: FAHRENHEIT OUTPUT

When activated, this mode displays the air temperature in Fahrenheit. If Fahrenheit is activated, the Celsius Mode and LOS (Line of Sight) range will be disabled. The output is displayed in smaller numbers just below and to the right of the reticle.



FUNCTION 10: CELSIUS OUTPUT

When activated, this mode displays the air temperature in Celsius. If Celsius is activated, the Fahrenheit Mode and LOS (Line of Sight) range will be disabled. The output is displayed in smaller numbers just below and to the right of the reticle.



FUNCTION 11: DIGITAL COMPASS MODE (RX-IV ONLY)

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When this mode is activated, the compass heading will be displayed in larger numbers above the reticle. If the Digital Compass Mode is activated, the True Ballistic Range (TBR) will be disabled. The compass will perform accurately even if tilted for viewing targets up or down hill, up to a 30° slope. This tilt compensation is accomplished via a sophisticated computer processed



algorithm that incorporates both the compass and inclinometer readings.

NOTE: Calibration of the compass must also be performed when the rangefinder is initially used and anytime it is moved to a new region — see Function 17 for calibration procedure.

FUNCTION 12: DECLINATION ANGLE OUTPUT (RX-IV ONLY)

This mode allows the user to manually set the declination angle that corrects the usual compass error between magnetic north and true north. Declination angle for your area can be found on the corner of any USGS topography map or on several Internet sites.



To set the declination, push Set in the Declination Mode.

The angle will begin at 0° and go up as you continue to push the Set button. You can hold down the Set button and it will progress up at a slow rate. For negative numbers, progress all of the way up to +30°. The next press of "Set" will start the numbers at -30° and continue to progress in a positive direction. Stop at the correct angle. Press Mode or wait for the power to "time out" to save the declination angle setting.

NOTE: Pressing "Set" continues to run through these settings until you press "Mode" to move on.

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NOTE: Magnetic fields are constantly shifting on the Earth so declination angle may need to be reset every couple of years for maximum accuracy.

FUNCTION 13: TRUE BALLISTIC RANGE

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, 130 grain bullet at 3,050 feet per second up a 30 degree incline at 400 yards, direct line of sight, TBR output will be 364 yards. For this you



would hold 10 inches over the target, rather than 15 inches as you would hold between your 300 and 400 yard marks. State-of-the-art processing algorithms developed by the same engineers who developed Sierra Infinity^o Exterior Ballistic Software and who developed ballistic algorithms for many space vehicles over the last 40 years to determine the True Ballistic Range with incredible accuracy, eliminating potential errors that could cause you to miscalculate your aiming point. The first step in correctly using TBR is Practice, Practice, Practice. Anytime you handle a firearm or bow, you are ultimately responsible for where your projectile ends up.

The inclinometer output is shown below the LOS output or thermometer, whichever is enabled. The inclinometer output will be disabled when TBR is turned off.

For rifle hunters, adjustment or holdover information can also be displayed. The available settings are as

follows: MOA displays the minute of angle to adjust for, HOLD displays the inches or centimeters to holdover the aiming point, and BAS outputs the equivalent range to use with Leupold's Ballistic Aiming System reticles or the distance to shoot at if holding over. TBR for rifle settings is effective to 800 yards for most cartridges.

For rifle users, when TBR mode is selected by pressing Set or Power on RX-II, the upper TBR output display will begin to flash, scrolling through three



options as you continue to press Mode. These options are HOLD (HOLd), MOA, and BAS (bAS). One of these modes needs to be selected before moving on to choosing your ballistic group in Function 15. To select ballistic groups for archery, TBR needs to be turned off and BOW turned on.

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HOLD will display your holdover for that target at that distance, which is also based upon the ballistic group and sight-in zero that you will choose in a later mode. The upper digits display holdover in inches if feet or yards are the chosen measurement output. Centimeters will be displayed if meters are chosen for your measurement output. Your hold will be shown as "HI 999" or "LO 999".

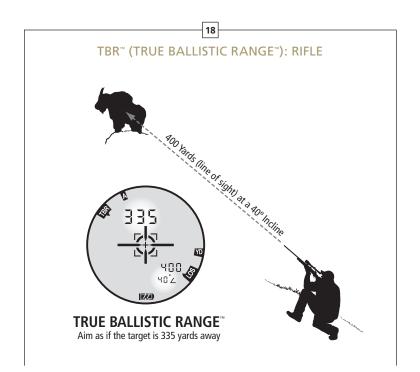
MOA Mode will show your minute of angle adjustment for your target, taking into account the True Ballistic Range. The upper display will show MOA adjustment as "UP 999" and "dn 999".



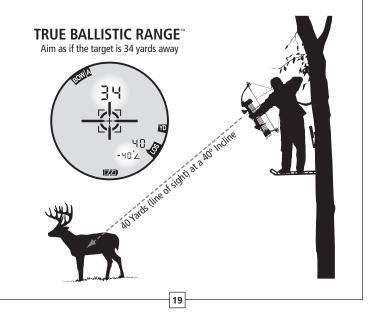
BAS will display the equivalent horizontal range. This is the range that you will want to shoot at, instead of the line of sight distance, which can be grossly off depending upon the angle of the shot. The display will read the equivalent horizontal range in the measurement you have chosen previously.

NOTE: True Ballistic Range is available only in the RX-II, RX-III, and RX-IV models.





TBR[™] (TRUE BALLISTIC RANGE[™]): ARCHERY



FUNCTION 14: BOW BALLISTIC GROUP

This mode, when activated, works with TBR to provide the correct ballistic range for arrows. To select, be sure that TBR is turned off (follow instructions In Function 13), then select BOW by pressing Set or Power on RX-II. The range that displays will correspond to the



target. It incorporates three different groups (Group A, B, or C) depending on the particular arrow drop. You must choose one of the three groups, based on your bow and arrow selection. Only one group can be selected at a time. Selecting a new group deactivates all other groups. Most importantly, using TBR effectively means Practice, Practice, Practice. Anytime you handle a firearm or bow, you are ultimately responsible for where your projectile ends up.

	BOW GROUP DATA					
Bow Group	Initial Arrow Velocity (feet per second)	Drop from 20 yard pin at 40 yards (inches)	Typical Bow Description			
А	Less than 215	30 or more	Older bows shooting aluminum arrows and newer bows set at draw weights below 50 lb			
В	215 to 250	20 to 30	Quality, newer bows shooting carbon arrows at 50-65 lb draw weight			
С	250 or more	Less than 20	Fast bows with draw weights in excess of 65 lb			

For best results, measure the drop of your arrow at 40 yards from your 20 yard aiming point.

- Set up a small target point such as a two-inch circle of paper high on a large, safe background, such as a stack of bales backed by a solid backstop. Be sure to allow for three feet or more of drop to avoid arrow damage.
- 2. Shoot 2 or 3 arrows at the target from 40 yards, using your 20 yard pin on the small target.
- 3. Measure the distance from the small target to the center of the group of arrows.
- 4. Select your TBR bow group from the "Drop from 20 yard pin at 40 yards" column above.

Only use initial velocity for determining your bow group if you have obtained a chronograph measurement of your arrow speed. Bow manufacturer's published speeds such as IBO speed are based on standard draw lengths and weights that are not likely to be the same as with your bow, therefore the actual performance will not be the same.

FUNCTIONS 15: SEVEN RIFLE BALLISTIC GROUPS

TBR includes ballistic settings for seven cartridge groups that were specifically formulated for the three functions of TBR, which are displayed as A, B, C, AB, AC, BC, and ABC. For example, if your cartridge group is in Group A, the reading in function 15 will tell you what the distance is for holdover purposes, taking



into account the shot angle (see following chart). You must choose one of the seven groups, based on your cartridge and ballistic information. Selecting a new group deactivates all other groups. TBR performance groups organize load performance in a way that provides generally less than 2.5 inches (1/2 minute of angle) of error in aiming out to 500 yards. The cartridge 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 between the selections provided, then that group is correct for your load.

TRB Group	Sight-In Distance	Cartridge Name	Bullet Weight (grains)	Muzzle Velocity (feet per second)
		.270 Weatherby Magnum	100	3760
	300 Yards	Lazzeroni 7.21 Firebird	140	3640
Α		.30378 Weatherby	165	3500
		.30378 Weatherby	180	3450
		.300 Weatherby Magnum	150	3450
		.240 Weatherby	87	3523
		.240 Weatherby	100	3406
		.270 Weatherby Magnum	130	3200
		.270 Weatherby Magnum	150	3245
		.270 Winchester Short Magnum	130	3249
		7mm Shooting Times Westerner	140	3330
		7mm Shooting Times Westerner	160	3050
	300 Yards	7mm Weatherby Magnum	139	3340
в		7mm Weatherby Magnum	175	3070
В		7mm Winchester Short Magnum	140	3310
		.300 Remington Ultra Magnum	180	3250
		.300 Remington Ultra Magnum	200	3025
		.300 Weatherby Magnum	180	3250
		.300 Winchester Magnum	150	3280
		.300 Winchester Magnum	180	2960
		.300 Winchester Short Magnum	150	3300
		.300 Winchester Short Magnum	180	3025
		.338 Remington Ultra Magnum	180	3030
	200 Yards	.204 Ruger	32	4225
~		.204 Ruger	40	3090
C		.22-250 Remington	55	3650
		.223 Remington	40	3700

TBR PERFORMANCE GROUPS: CARTRIDGE TABLE					
TBR Group	Sight-In Distance	Cartridge Name	Bullet Weight (grains)	Muzzle Velocity (feet per second)	
		.223 Winchester Super Short Magnum	55	3850	
		.223 Winchester Super Short Magnum	64	3600	
		.243 Winchester Super Short Magnum	55	4060	
		.243 Winchester Super Short Magnum	100	3110	
		.25 Winchester Super Short Magnum	85	3470	
		.25-06 Remington	115	2990	
с	200	.25-06 Remington	120	2990	
C	Yards	.260 Remington	120	2890	
		.270 Winchester	130	2910	
		.270 Winchester	150	2850	
		.270 Winchester Short Magnum	150	3275	
		7mm Winchester Short Magnum	160	2990	
		.280 Remington	140	2990	
		.280 Remington	150	2890	
		.243 Winchester	100	2950	
		.243 Winchester	100	2960	
AB	200 Yards	7mm-08	120	3000	
AD		7mm-08	140	2800	
		.338 Remington Ultra Magnum	250	2660	
		.338 Winchester Magnum	210	2829	
		.25 Winchester Super Short Magnum	120	2990	
		.260 Remington	115	2750	
		6.5x55mm Swedish	140	2630	
AC	200	7mm Remington Magnum	175	3150	
AC	Yards	.280 Remington	160	2940	
		.300 H&H Magnum	180	2880	
		.300 Weatherby Magnum	200	2700	
		.30-06 Springfield	125	3140	

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continued on next page

TBR PERFORMANCE GROUPS: CARTRIDGE TABLE					
TBR Group	Sight-In Distance	Cartridge Name	Bullet Weight (grains)	Muzzle Velocity (feet per second)	
		.30-06 Springfield	180	2700	
		.308 Winchester	150	2820	
	200 Yards	.308 Winchester	168	2670	
		.338 Winchester Magnum	210	2830	
		.338 Winchester Magnum	250	2650	
		.378 Weatherby Magnum	300	2800	
		.460 Weatherby Magnum	450	2700	
BC	200 Yards	.378 Weatherby Magnum	300	2925	
ABC	200 Yards	.223 Remington	64	3020	
		.378 Weatherby Magnum	300	2920	

For hand loads or any other unique loads not shown in the above list, the table on the next page provides a guideline for selecting the appropriate TBR performance group. Check the ballistic performance of your load 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 www.leupold.com for more assistance in selecting your group. If you have your ballistic performance data, select your performance group from the table on the next page based on the bullet path at 500 yards. Be sure not to confuse bullet path with bullet drop. Bullet path will be related back to your sight-in range whereas bullet drop relates only to the total drop of the bullet, regardless of sight-in range.

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	TBR PERFORMANCE GROUP SELECTION TABLE: FOR BEST FIT UP TO 500 YARDS				
TBR Group	500 Yards Bullet Path	Sight-in Range			
A	Less than -20 inches of path height	300 Yards			
В	-20 to -25 inches	300 Yards			
С	-35 to -41 inches*	200 Yards			
AB	-41 to -42.5 inches	200 Yards			
AC	-42.5 to -49.5 inches	200 Yards			
BC	-49.5 to -52 inches	200 Yards			
ABC	More than -52 inches of path height (if the path height is more than 64 inches, performance will be reduced by the difference)	200 Yards			

* If your bullet height path is less than -20 inches at 500 yards with a 200 yard sight-in, consider sighting-in at 300 yards and selecting group Aor B. Alternately, you can use group C with a 200 yard sight-in, but the TBR will be less accurate at extreme long ranges.

Extreme Long Range Group Selection — If you intend to shoot varmints or targets at ranges beyond 500 yards, selecting your group based on 800 yard performance will provide a better performance match throughout this working range. Select your group for extreme long range shooting from the table below.

	TBR PERFORMANCE GROUP SELECTION TABLE: FOR BEST FIT UP TO 800 YARDS				
TBR Group	800 Yards Bullet Path	Sight-in Range			
A	Less than -96 inches of path height	300 Yards			
В	-96 to -120 inches	300 Yards			
C	-139 to -164 inches**	200 Yards			
AB	-164 to -189 inches	200 Yards			
AC	-189 to -212 inches	200 Yards			
BC	-212 to -236 inches	200 Yards			
ABC	More than -236 inches of path height (if the path height is more than 250 inches, performance will be reduced by the difference)	200 Yards			

** If your bullet path height is less than -139 inches at 800 yards with a 200 yard sight-in, consider sighting-in at 300 yards and selecting group A or B. Alternately, you can use group C with a 200 yard sight-in, but the TBR will be less accurate at extreme long ranges.

REMEMBER: Knowing your theoretical bullet path at long ranges is not 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 an intimate familiarity with the performance of your firearm and to know where the bullet is going to go. The RX rangefinder may serve best as a tool for learning performance during practice at a secure range so you are ready for that critical shot.

FUNCTION 16: MATCH 13" RETICLE SYSTEM"

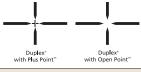
By selecting this mode, any one of 13 preloaded reticles can be chosen as the primary aiming point for the RX rangefinder. To select a reticle, press Mode to scroll through the 13 reticle options. Press Power on RX-I and RX-II, or Set on RX-III and RX-IV, to select a reticle.

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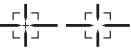
The reticle choices are as follows:

+ Plus Point"

Plus Point[™]: Ideal for varmints and other small targets. Small open center avoids coverage of very small or distant targets.

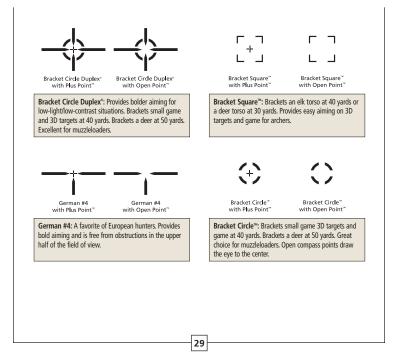


Duplex[®]: Familiar reticle to shooters from riflescopes; draws eye to the center, easy to see, does not cover the target in the center where aiming is most critical.



Bracket Square Duplex[®] with Plus Point[™] Bracket Square Duplex[°] with Open Point[™]

Bracket Square Duplex[®]: Brackets an elk torso at 40 yards or a deer torso at 30 yards. Provides easy aiming on 3D targets and game for archers. Duplex provides bold contrast for low light.



FUNCTION 17: CALIBRATING THE COMPASS

The RX models that feature the Compass Mode let you instantly determine the direction to, as well as the distance from, an object or animal. Before using the compass for the first time, or for the first time in a new geographic location, you must first calibrate it.

- 1. Press "Mode" and progress through the entire Quick Set Rotary Menu to the reticle options.
- Select your reticle setting, press the "Set" button once, and "CAL" will display and flash.
- Press the "Set" button again and "CAL" will stop flashing and remain on dislplay.
- 4. Smoothly rotate the RX a full 360 degrees within 24 seconds.
- 5. Press the "Set" button after the calibration is completed, or the calibration will be completed automatically after 24 seconds.

6. The calibration of the compass is now complete.

See Function 12 on page 13 for instructions on setting declination angle.

OTHER USEFUL FEATURES

Clear Field[™] **Function:** This allows you to clear the icons for modes, units, etc., without deactivating the modes.

To toggle Clear Field on and off — hold the "Power" button, then press the "Mode" button.

Display Illumination: Provides sharp display contrast for optimum readability in low-light situations.

RX-III and RX-IV only — Hold down the "Set" button.

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 tougher 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 battery cover (shown in diagram on page 6) and remove exhausted battery. Insert new CR-2 battery, negative terminal first, into the battery compartment. Close battery cover.

To focus the RX rangefinder, turn the eyepiece left or right (you will feel and hear the clicking of the diopter, indicating a change to the focus has been made) until crisp focus is achieved.

RX-I and RX-II models are weatherproof. RX-III and RX-IV models are waterproof.

All RX models include a lanyard and are equipped with a lanyard attachment for added security in the field. All RX models are also supplied with a small instructional supplement in the inside pocket of the included case.

Helpful Hints for Using the Leupold RX Digital Laser Rangefinders

HOW DO I ACTIVATE TRUE BALLISTIC RANGE (TBR)?

Only available in RX-II, RX-III, and RX-IV. See Function 13 on page 14. Be sure to select the proper group for bows on page 20 or rifles on page 22.

HOW DO I ACTIVATE SIMPLE LINE OF SIGHT (LOS) RANGE?

Always on for RX-I model.

To activate on RX-II, RX-III, and RX-IV models: follow the Quick Set Rotary Menu procedure (see page 5).

THE COMPASS IN MY RX-IV GIVES INCORRECT READINGS WHEN AIMING UP OR DOWN HILL.

The compass in the RX-IV is tilt compensated up to a 30° up or down hill line of sight. The computer processor in the rangefinder takes the compass reading and the inclinometer reading to create a correct compass bearing calculation, unlike any rangefinding product on the market. Viewing angles in excess of 30° will produce incorrect compass readings

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 is Practice, Practice, Practice. Anytime you handle a firearm or bow, you are ultimately responsible for where your projectile ends up.
- Be certain that if you're shooting a bow that "BOW" is turned on.
- Be certain that if you're shooting a rifle that "BOW" is turned off.
- Be certain you selected the correct ballistic groups (see pages 20-27).
- It is imperative that a rifle be sighted-in at the recommended range.
- For rifles, ballistic performance of firearms and ammunition may vary from manufacturers published information.
- For bows and rifles: If possible, obtain actual chronograph measurements of projectile speed to make TBR work as accurately as possible.
- RANGEFINDER DOES NOT PROVIDE RANGE OR RANGE IS OBVIOUSLY INCORRECT. Make sure you don't have a mode turned on that prevents the rangefinder from ranging your target. For example, if Long Range Mode is on and ">150" appears at the top of the display, you will not be able to range something at 50 yards.

The target may also be absorbing too much light (as in extremely dark-colored animals). Try ranging an object next to the target.

Try turning on a mode that improves performance in your conditions such as Rain Mode when it is raining (see Function 2 on page 8).

On RX-I and RX-II models, be certain you are not in the Quick Set Rotary Menu function. The unit will "time out", and go into ranging mode from any mode setting in the Quick Set Rotary Menu after three or four seconds. Alternately, you may hold down "Mode" to get out right away. The unit is ready to range when dashed lines appear in the upper display.

HOW DO I ACTIVATE THE INCLINOMETER READOUT?

RX-II, RX-III, and RX-IV: TBR or BOW must be activated for angle of inclination to display (see Function 14 on page 20).

NOTE: The inclinometer is not available on the RX-I model.



Warranty/Repair

Your Leupold RX Series digital laser rangefinder is warranteed by the Leupold Green Ring[®] Electronics Warranty, and is protected from defects in materials and workmanship for TWO YEARS (RX-III and RX-IV models) or ONE YEAR (RX-I and RX-II models) from the date of purchase. In event of a need for service or repair, please contact Leupold Product Service at:

By Parcel Service

Leupold & Stevens, Inc. Attn: Product Service 14400 NW Greenbrier Parkway Beaverton, OR 97006-5791 USA

By Mail

Leupold & Stevens, Inc. Attn: Product Service P.O. Box 688 Beaverton, OR 97075-0688 USA

For product questions, consult the Leupold Web site at:

www.leupold.com or call (503) 526-1400.

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