LEUPOLD®

GX®-5i³ RANGEFINDERS

OPERATING INSTRUCTIONS

Table of Contents

Introduction. . . . . .Page 1

About Leupold & Stevens, Inc. . . . . Page 3

Accuracy . . . . . Page 5

How GX Rangefinders Work. . . . . Page 6

GX Rangefinder Specifications . . . . . Page 9

Operation. . . . . Page 10

Cleaning/Maintenance . . . . . .Page 34

Warranty/Repair. . . . . Page 35

1

Introduction

Congratulations! You have purchased a Leupold® GX Series digital laser rangefinder that has been crafted by Leupold's engineers and designers to be the best rangefinder on the market, and to provide you with years of solid performance on the course. Following are instructions detailing the proper use and employment of your GX Series rangefinder. To ensure top performance for the life of the product, please read these instructions before operating your GX-5i^3.

Your new Leupold GX Series digital laser rangefinder is a revolutionary, range-finding device that incorporates advanced digital electronics with state-of-the-art ballistics algorithms. The next generation Digitally eNhanced Accuracy™ (DNA®) engine incorporates additional signal processing techniques to generate better ranging distance with more accurate rangefinding. GX-5i^3 features include an incredibly bright OLED display, inclinometer, and PinHunter 3 Laser Technology. Another truly innovative and unique feature is True Golf Range™ (TGR®), which is

available on the GX-5i^3 TGR model. TGR algorithms are a marriage of laser ranging, an inclinometer, and an advanced computerized ballistics program. The result is distance measurements accurate to less than a yard, no matter the angle at which the laser is fired.

About Leupold & Stevens, Inc.

It's a decidedly American story: in 1907, a young German immigrant named Fred Leupold set up a one-man shop at 5th and Oak Streets in Portland, Oregon, repairing optics for surveying equipment. The small company survived the First World War and the Great Depression. But it was the Second World War that would forever change the company. Working with the U.S. Army on a riflescope and the Navy on optics for use aboard ships, the engineers at Leupold learned the secrets of waterproofing and durable construction that would completely change the world of sports optics.

Leupold & Stevens, Inc. is still family-owned, though the focus has turned from land surveying to helping people across the globe survey their environments with innovative, high-performance optics and accessories. Leupold optics are renowned for their unchallenged ruggedness, and their vastly superior optical quality. A century of observation and optical experience has gone into every product we produce, and we think the results are well worth the extra effort required to achieve this level of quality.

In true American style, the philosophical foundation laid in our early years has served us well as we've grown and changed over the decades. In fact, the firm's founder established the clarity of purpose that we see at Leupold & Stevens, Inc. today:

"We solemnly promise never to let down on quality, the customer is entitled to a square deal."

— Markus Friederich "Fred" Leupold

Accuracy

The ranging accuracy of the GX-5i^3 series of rangefinder is +/- .5 yard/meter. The maximum effective range depends upon a number of factors including lighting conditions and air quality, but the most important factor is the reflectivity of the target. For most objects, the maximum distance is 550 yards, while for highly reflective targets (such as pin prisms), distances of 700 yards can be obtained.

	MAXIMUM RANGE
CONDITION	**GX-5i^3**
Reflective Target (yd/m)	700/640
Trees (yd/m)	550/502
Pin/Flag (yd/m)	450/411

How it Works

The Leupold GX-5i^3 rangefinder emits a series of invisible, infrared energy pulses that are reflected off the selected target back to the optical unit. State-of-the-art circuitry and precision computing circuits are used to calculate the distance instantaneously by measuring the time it takes for each pulse to travel from the GX rangefinder to the object and back.

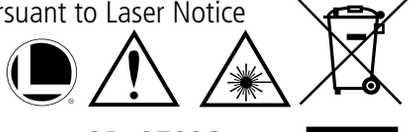
Surface texture, color, size, and shape of the target all affect reflectivity, which in turn affects the maximum range of the instrument. As a rule of thumb, brightly colored targets are much more reflective than darker targets, with black being the least reflective color. A shiny surface is more reflective 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. Bright light shining directly on the lenses reduces the effectiveness, producing shorter maximum ranges than those possible on darker (overcast) days. The steadier the GX unit is held, the greater the maximum distance.

Safety and Operation Precautions

The Leupold GX-5i^3 6x22mm rangefinder employs an eye safe laser in their operation. Even so, there are a few precautions that are important to remember:

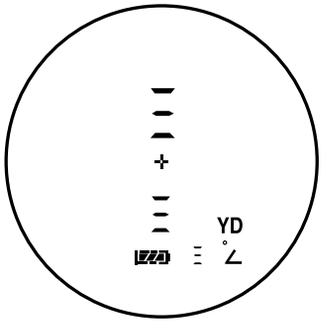
- Do not depress the POWER button while aiming at a human eye or while looking into the optics from the objective side
- Do not leave the GX within the reach of small children
- Do not take the product apart as it has a self-protection device in the electronic control module and may cause an electric shock
- Do not attempt to use any power source other than a CR2 battery (or equivalent) — the GX is designed to prohibit accessing any other external power supply

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 deviations pursuant to Laser Notice No. 50, dated June 24, 2007.
P_o:<5.14mW. λ:895-915nm. t_W:10-20ns.
LEUPOLD & STEVENS, Inc,
14400 NW Greenbrier Parkway, Beaverton, OR 97006

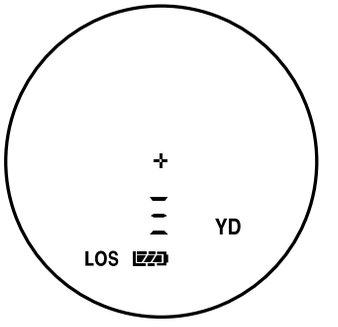


Safety and Operation Precautions (cont.)

- 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
- **Caution:** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure
- When you see the display 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



GX-5i^3 Display
(TGR on)



GX-5i^3 Display
(TGR off)

(Display as seen through the eyepiece)

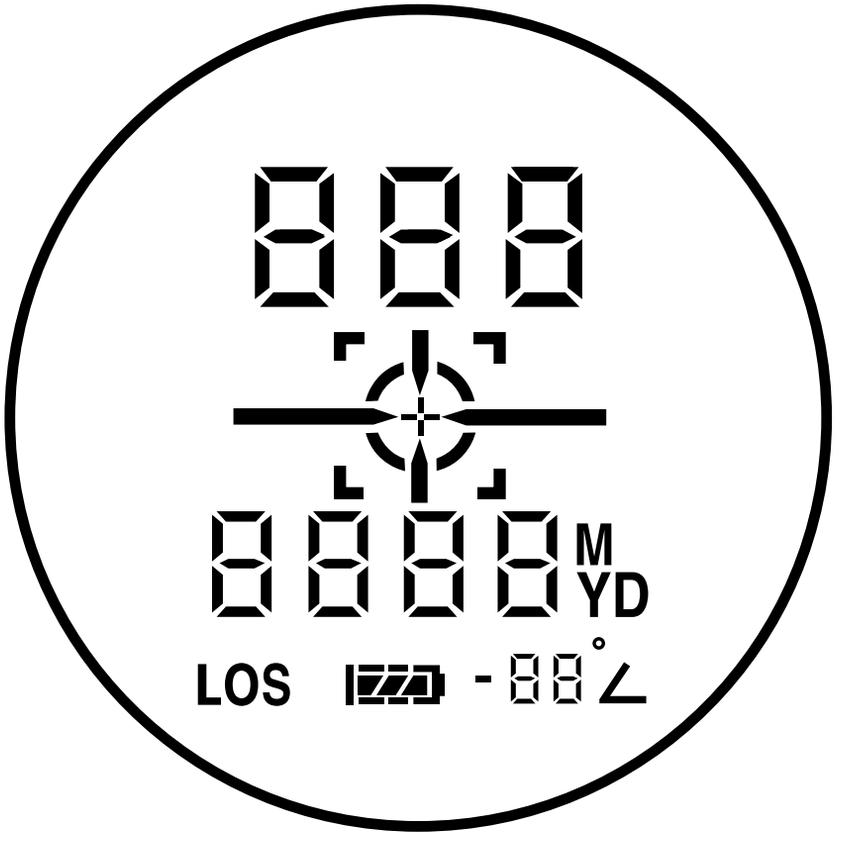
Specifications

The GX-5i³ digital laser rangefinder provides a variety of useful modes to tailor performance to the conditions you experience in the field. Model features are identified on the following pages.

	GX-5i³
Magnification	6x
Inclinometer (Selectable for USGA rule 14-3)	Yes
TGR® (True Golf Range™) (Selectable for USGA rule 14-3)	Yes
Club Selector (Selectable for USGA rule 14-3)	Yes
3 Selectable Aiming Reticles	Yes
Quick Set Menu	Yes
Line of Sight Distance	Yes
Yards/Meters	Yes
Fog Mode	Yes
Prism Lock	Yes
1-Touch Scan Mode	Yes
Battery Life	>4000 Actuations
Weight	7.8 oz
Dimension (Inches)	3.8L x 3.0H x 1.4W
Low Battery Indicator	Yes
Warranty	5 Years
Weatherproof	Yes

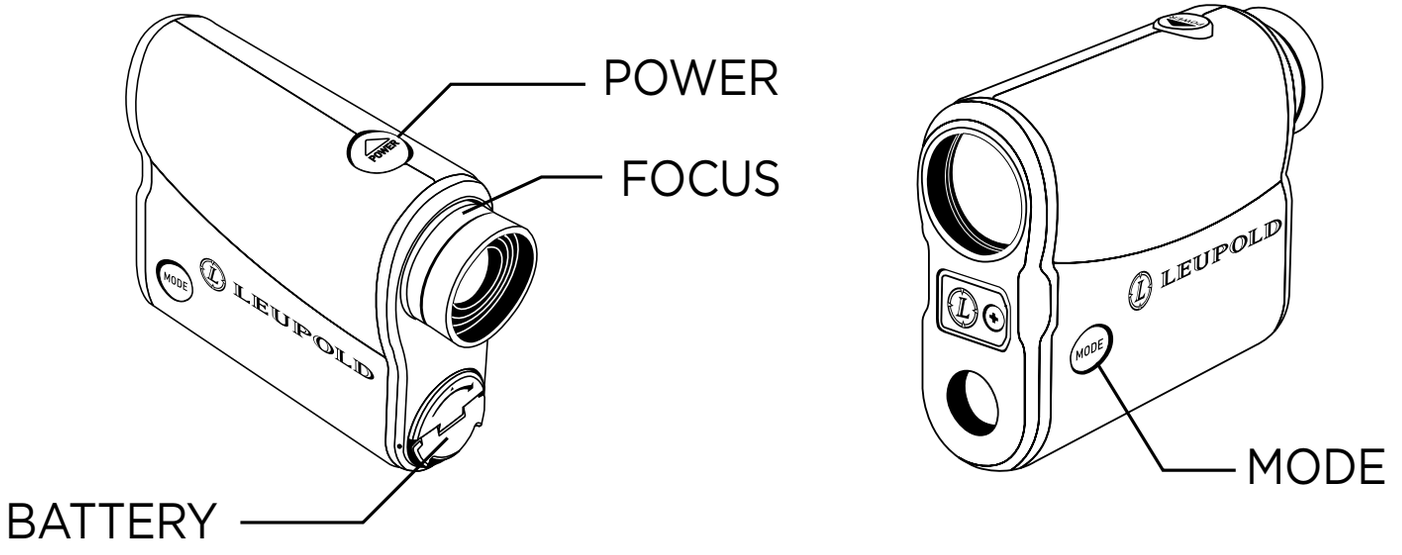
Operation

QUICK SET MENU™



*GX-5i^3 display shown with all possible characters visible

GX-5i^3



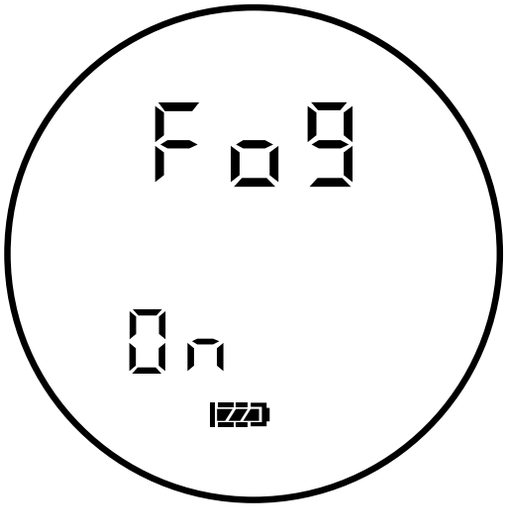
The GX-5i^3 has two buttons: POWER and MODE. When you initially press the POWER button, the display is activated and the unit is ready for ranging. Press the POWER button a second time to range, or hold the POWER button depressed to scan. Scanning automatically updates the display. When ranging without a steady rest at long distances, you can easily differentiate the pin from other potential targets behind the pin.

When you press and hold the MODE button for 2 seconds and then release it, the Quick Set Menu is activated. To set or activate a mode, you must advance to that function by pressing the MODE button until that function is displayed. To activate or manipulate a function, press the POWER button as necessary. If this is the last function to be set, allowing the rangefinder to sit idle for 30 seconds will cause an automatic power-off, saving all selections. If additional set up is required, simply press MODE to continue through the Quick Set Menu.

Pressing and holding MODE for at least 2 seconds at any time will exit the Quick Set Menu, save all previous changes, and prepare the rangefinder for immediate use. To reset your GX-5i^3 to factory settings, press POWER to activate the unit. With the rangefinder activated, press and hold MODE, then immediately press and hold POWER while continuing to hold MODE depressed. After the 10-second timer shown in the display reaches zero, the rangefinder will return to factory settings.

FOG MODE

The Fog Mode can be used in foggy/rainy conditions to screen out false readings from raindrops or other atmospheric interference to provide an accurate range.



Fog Mode changes the algorithm to look for the "last" target. To increase ranging accuracy always range the ground around the pin/flag when Fog Mode is on.

TO ACTIVATE FOG MODE:

1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 2 seconds and then release to enter the Quick Set Menu; the word "Fog" will now appear in the upper display.
3) While the word "Fog" is displayed, press and release POWER as necessary until the word "On" is displayed in the lower portion of the display.

4) To save the changes and return to ranging mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate icon is displayed.

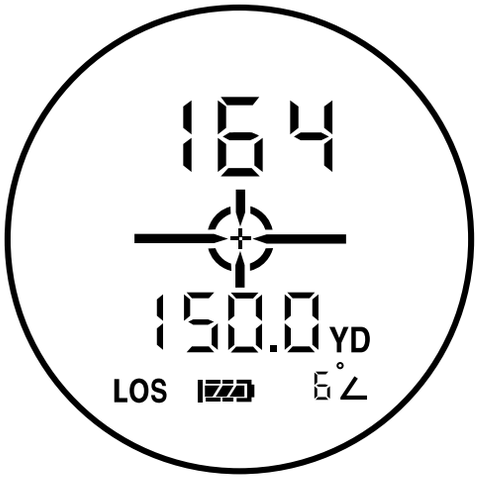
NOTE: *There is no icon for Fog Mode in normal operation. When powered on the unit will display Fog On/OFF status to remind you of the current setting.* ***We recommend turning Fog Mode off during normal ranging to enable easy location of the pin/flag.***

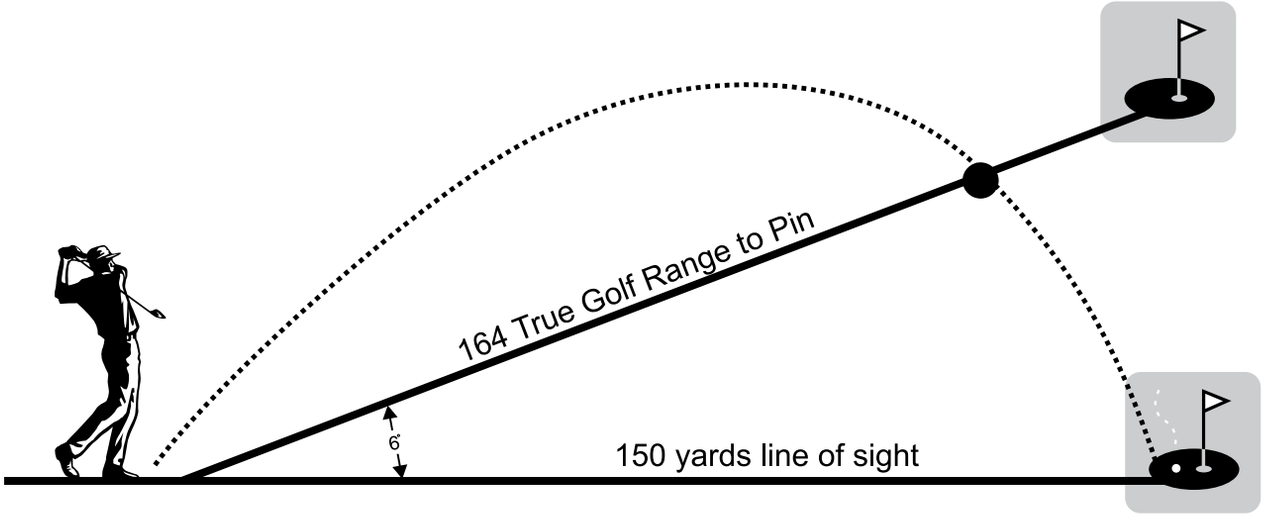
TGR TECHNOLOGY:

Use of the GX-5i^3 for tournament play is permitted when Local Rule is in effect (see USGA Decision 14-3/0.5), and TGR is turned off.

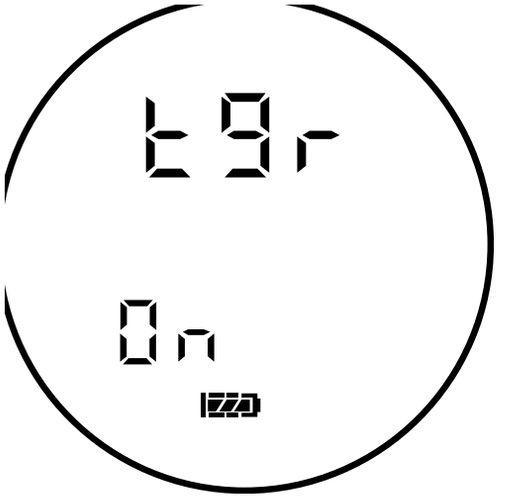
TRUE GOLF RANGE (TGR)

True Golf Range is an adjusted range that will compensate for uphill shots that play long and downhill shots that play short. TGR is calculated from the line of sight distance, incline or decline, current temperature and altitude, and will display the adjusted range the golfer should play to. For example, if you have a lie 150 yards from the pin, but the green falls 6 degrees above your ball, you should play the shot as if it were 164 yards.





NOTE: *Turning TGR off will also disable the Club Selector and inclinometer display; all distance readings will be line-of-sight measurements.*



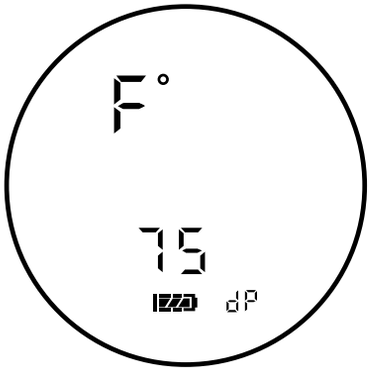
TO ACTIVATE TGR:

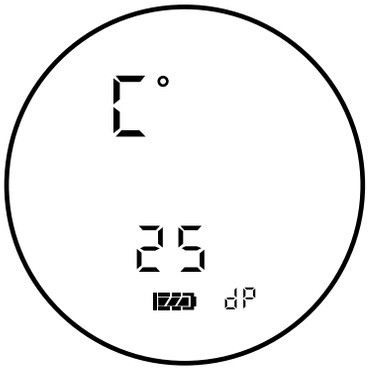
1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and then release to enter the Quick Set Menu; press and release MODE one more time to advance to TGR mode.
3) While TGR is shown in the upper portion of the display, press and release POWER as necessary until “On” is shown in the lower portion of the display.
4) To save the changes and return to ranging mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate mode is displayed.

DAY OF PLAY TEMPERATURE INPUT (dp)

Temperature is one of the factors used to determine TGR ranges; inputting the current temperature will increase the accuracy of your TGR measurement. The default temperature setting is 75 degrees F (25 degrees C).

NOTE: *If yards is selected as the desired measurement output, the temperature will automatically be measured in Fahrenheit. If meters is selected, the temperature will be measured in Celsius.*



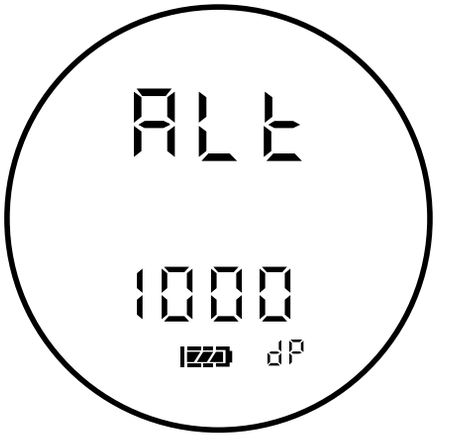


MANUALLY INPUT THE DAY OF PLAY TEMPERATURE:

1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and release to enter the Quick Set Menu.
3) Verify that TGR is turned on; if TGR is not activated, you will not be able to enter the current temperature, see “To Activate TGR:” above.
4) Press and release MODE until temperature is displayed.
5) While the temperature is flashing, press and release POWER to change the current temperature setting to match the current conditions. Each depression of POWER will increase the temperature setting by 5 degrees until 120 degrees F (50 degrees C) has been reached, at which time the setting will return to 30 degrees F (0 degrees C) and begin increasing again.
6) To save the changes and return to ranging mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate icon is displayed.

DAY OF PLAY ALTITUDE INPUT (dP)

Altitude is one of the factors used to determine TGR ranges; inputting the local elevation/altitude will increase the accuracy of your TGR measurement. The default altitude setting is 1000 feet, and will be shown in the lower portion of the display.



NOTE: *Altitude is always measured in feet.*

MANUALLY INPUT THE DAY OF PLAY ALTITUDE:

1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and release to enter the Quick Set Menu.
3) Verify that TGR is turned on; if TGR is not activated, you will not be able to enter the current altitude, see “To Activate TGR:” above.
4) Press and release MODE until “Alt” is displayed.

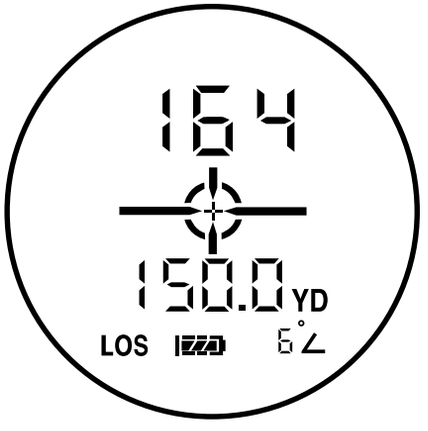
5) While the “Alt” is flashing, press and release POWER to change the current altitude setting to match current conditions; each depression of POWER will increase the altitude setting by 500 feet until 9999 has been reached, at which time the setting will return to 0 and begin increasing again.

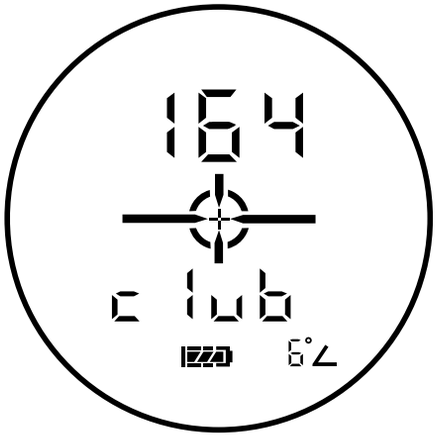
6) To save the changes and return to ranging mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate icon is displayed.

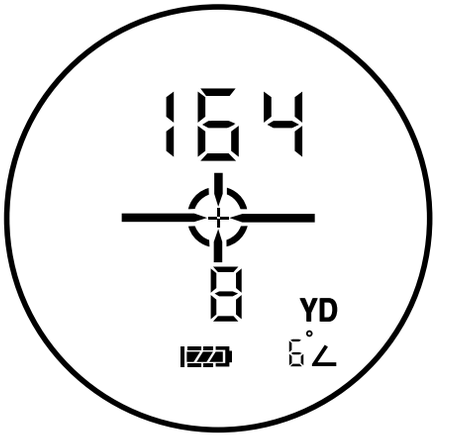
CLUB SELECTOR

NOTE: *If TGR is not activated, you will not be able to use the CLUB SELECTOR function.*

When TGR is activated, the Club Selector function recommends the proper iron for the current distance, shot angle, environmental conditions, and multiple other factors. This will be shown in the lower portion of the display. When ranging an object with True Golf Range activated, the upper display will show the TGR distance, and the lower display will show the line-of-sight distance briefly, followed by the word “club”, followed by the club recommendation. The True Golf Range will remain visible in the upper portion of the display.

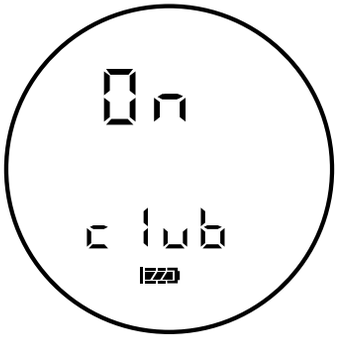






TO ACTIVATE CLUB SELECTOR:

1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and then release to enter the Quick Set Menu.
3) Verify that TGR is turned on; if TGR is not activated, you will not be able to enter club selections. See “To Activate TGR” above.



4) Press and release MODE until “club” is displayed.
5) While “club” is shown in the lower portion of the display, press and release POWER as necessary until “On” is shown in the upper portion of the display.
6) To save the changes and return to ranging mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate mode is displayed.

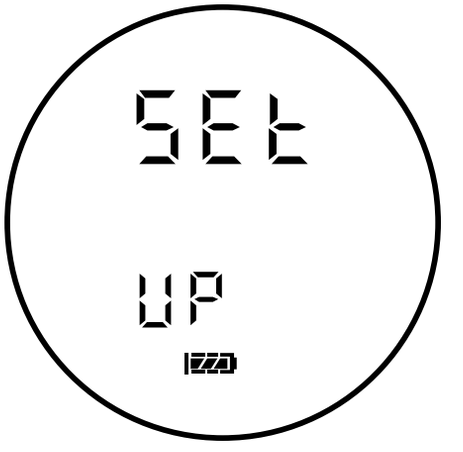
Critical to accurate club recommendations is the known striking distance of the user with specific clubs. By inputting the actual distance obtained with a few clubs, a specialized algorithm accurately determines the distance obtained with others. The actual distance obtained from an 8-iron, 6-iron, and 4-iron shot should be input as accurately as possible. If no club distance is input, the Club Selector will automatically default to the preset distances (130 yards for an 8-iron, 150 yards for a 6-iron, and 170 yards for a 4-iron). In addition to the striking distances, the temperature and altitude at which these distances were measured must be input following the distance input process. By entering the environmental conditions in which the specific distances were obtained, the Club Selector will be able to adjust the recommended iron according to the current conditions.

NOTE: *Though we strongly recommend inputting the specific distances obtained with each of the irons mentioned above, the specialized algorithms used by the* GX-5i^3 *will make logical assumptions about the remaining club(s) if specific distances are not known for one or more of the remaining clubs.*

YARDS/METERS MODE

NOTE: *“SET UP” will briefly flash before transition to YARDS/METERS.*

This mode allows you to toggle between yards or meters for the measurement output unit. When set to Yards mode, all temperature settings will be in Farenheit. When set to Meters mode, all temperature settings will be in Celsius.



TO CHANGE FROM YARDS TO METERS:

1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and then release to enter the Quick Set Menu.
3) Press and release MODE until “Set Up” flashes briefly in the display, followed by the word “Unit” shown steadily in the lower display.

4) While the word “Unit” is shown in the lower display, press and release POWER as necessary to toggle between “YD” for Yards and “M” for Meters, which will be shown in the lower right portion of the display.

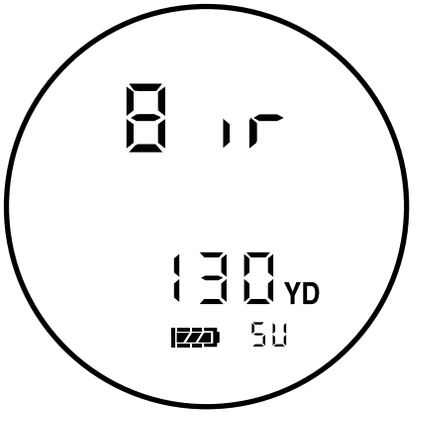
5) To save the changes and return to ranging mode, let the unit sit idle for a least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds.

NOTE: *If yards is selected, the temperature will automatically be measured by Fahrenheit. If meters is selected, the temperature will be measured in Celsius.*

CLUB SELECTOR SETUP (SU)

NOTE: *You cannot input a distance value less than or equal to the previous club. For example, if you choose 155 yards for your 8-iron, the lowest available distance for your 6-iron will be 160 yards.*

1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and then release to enter the Quick Set Menu.
3) Press and release MODE until 8 Iron is displayed.
4) The 8-iron indicator will be shown in the upper display, and the last saved distance will be shown in the lower display. If you wish to input a distance other than the one shown, proceed to step 5. To save the shown distance for your 8-iron, press MODE and skip to step 6 below.

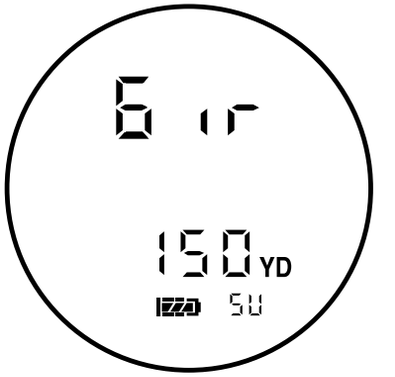


5) Press POWER to set the distance obtained with your 8-iron. Each depression of POWER will increase the distance associated with your 8-iron shot in 5-yard/meter increments beginning with the

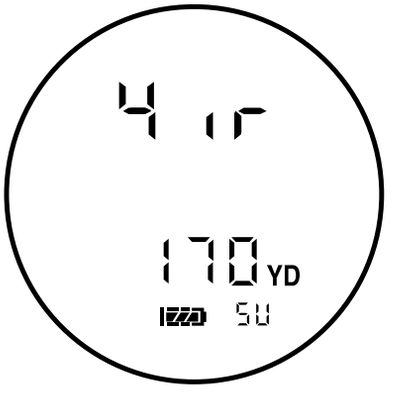
last saved distance, until 200 yards (185 meters) has been reached. Once 200 yards (185 meters) has been reached, it will reset to 60 yards (55 meters), and start over again. When the appropriate distance is displayed, press MODE.

6) The 6-iron indicator will be shown in the upper display, and either the last saved distance or 8-iron distance plus 20 yards will be shown in the lower display. If you wish to input a distance other than the one shown, proceed to step 7. To save the shown distance for your 6-iron, press MODE and skip to step 8 below.

7) Press POWER to set the distance obtained with your 6-iron. Each depression of POWER will increase the distance associated with your 6-iron shot in 5-yard/meter increments, the last saved distance, until 220 yards has been reached. Once 220 yards (200 meters) has been reached, it will reset to the 8-iron distance plus 5 yards/meters, and start over again. When the appropriate distance is displayed, press MODE.



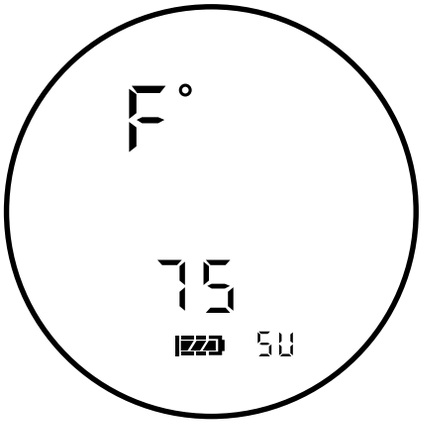
8) The 4-iron indicator will be shown in the upper display, and either the last save distance or 6-iron distance plus 20 yards will be shown in the lower display. If you wish to input a distance other than the one shown, proceed to step 9. To save the shown distance for your 4-iron, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate icon is displayed.



9) Press POWER to set the distance obtained with your 4-iron shot in 5-yard/meter increments, until 240 yards (220 meters) has been reached. Once 240 yards (220 meters) has been reached, it will reset to the 6-iron distance plus 5 yards/meters and start over again. When the appropriate distance is displayed, let the unit sit idle for at least 30 seconds until an automatic power down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another mode, press and release MODE until the appropriate icon is displayed.

INPUT THE TEMPERATURE AND ALTITUDE AT WHICH THE CLUB SELECTOR SETUP WAS MEASURED.

Once the striking distances have been input, press MODE and follow the steps below:

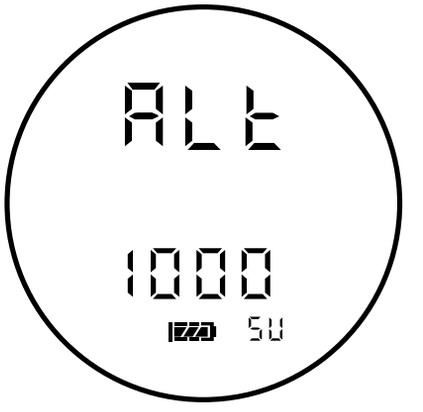


1) The last saved Temperature will be flashing in the bottom portion of the display. If you wish to input a temperature other than the one shown, proceed to step 2. To save the shown temperature, press MODE and skip to step 3 below.

2) Press POWER to begin incrementing through the Temperature settings. The default setting is 75 degrees F (25 degrees C). Pressing POWER will increment through a range of 30 degrees to 120 degrees F (0 degrees to 50 degress C) in 5 degree increments. When the appropriate temperture is displayed, press MODE to save your selection and move on to the Altitude input.

3) The last saved Altitude will be flashing in the bottom portion of the display. If you wish to input an Altitude other than the one shown, proceed to step 4. To save the shown altitude and return to ranging

mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate mode is displayed.



4) Press POWER to begin incrementing through the altitude settings. The default setting is 1000 feet. Pressing POWER will increment through a range of 0 feet to 9,999 feet in 500 foot increments. When the appropriate altitude is displayed, you have completed the input process for setting up the Temperature and Altitude at which the striking distances were measured. To save the changes and return to ranging mode, let the unit sit idle for at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 2 seconds. To continue through the Quick Set Menu and manipulate another feature, press and release MODE until the appropriate mode is displayed.

SELECTABLE RETICLES

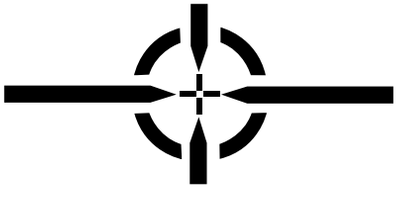
This mode is used to choose from any one of 3 preloaded aiming reticles for your GX series digital laser rangefinder.

HOW TO CHOOSE A PARTICULAR AIMING RETICLE/CROSSHAIR:

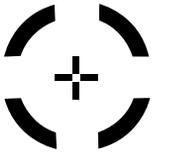
1) Press POWER to activate the rangefinder.
2) Press and hold MODE for at least 1 second and then release to enter the Quick Set Menu.
3) Press and release MODE repeatedly until the reticle is flashing.
4) While the reticle is flashing, press and release POWER.
5) Continue pressing and releasing POWER until the desired reticle is flashing. Press MODE to save the changes.

AVAILABLE RETICLES

Plus Point™



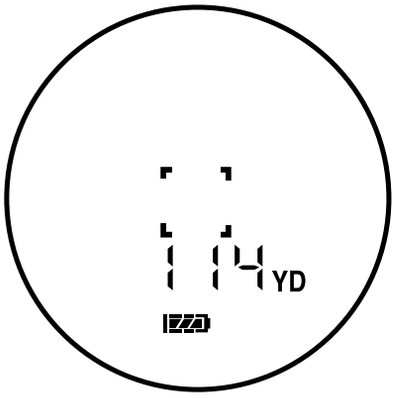
Bracket Circle Duplex

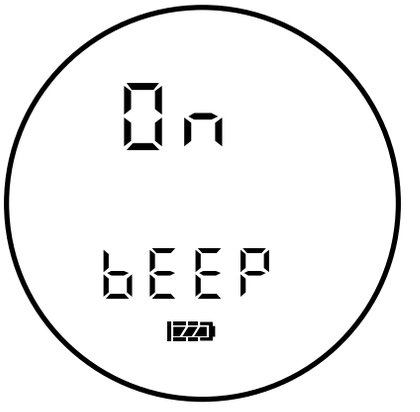


Bracket Circle

PRISM LOCK BEEP

Prism Lock is always activated and will automatically detect the presence of prisms in course features when scanning at a distance of 30 yards or greater. When using Scan Mode to range a course feature with integral prisms, your GX rangefinder by default, will produce an audible beep and the Prism Lock bracket will be displayed along with the measured distance. If True Golf Range has been activated, the TGR distance and Club selection will be shown . If True Golf Range has not been activated, the line of sight distance will be shown.





TO TURN OFF THE AUDIBLE BEEP:

1) Press POWER to activate the rangefinder.

2) Press and hold MODE for at least 1 second and then release to enter the Quick Set Menu.

3) Press and release MODE until “bEEP” is displayed.

4) While the word “bEEP” is displayed press and release POWER as necessary until the word “OFF” is displayed. Press MODE to save the changes.

NOTE: *Prism Lock works best in Scan Mode while pressing and holding the POWER 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 the battery cover (shown in diagram on page 11) and remove exhausted battery. Insert new CR-2 battery, negative terminal first, in to the battery compartment. Close battery cover.

To focus the GX 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.

All GX series rangefinders are weatherproof.

All GX rangefinders include a lanyard and are equipped with a lanyard attachment for added security in the field.

Warranty/Repair

Your Leupold GX Series digital laser rangefinder is warranted by the Leupold Gold Ring® Electronics Limited Five-Year Warranty. This warranty covers any defects in materials and workmanship in the electronic components of GX Rangefinders. This warranty lasts five years from the date of purchase. If in that five-year period, these products are found to have defects in materials and workmanship, Leupold will repair, or if repair is not possible, replace the product, free of charge. Exclusions apply, please visit Leupold.com for warranty exclusions.

In event of a need for service or repair, please contact Leupold Product Service at:

BY PARCEL SERVICE:

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

BY POSTAL SERVICE:

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

For product questions, consult the Leupold Web site at:

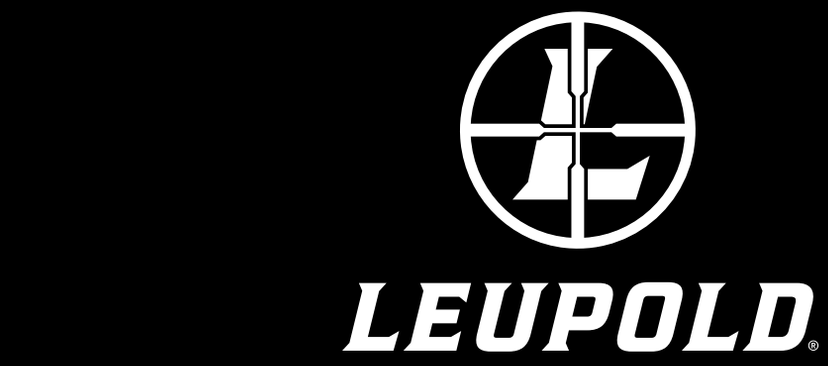
www.leupold.com, or call (503) 526-1400 or (800) LEUPOLD (538-7653).

LEUPOLD, GOLDEN RING, GOLD RING, MARK 4, the Golden Ring design, the circle-L reticle logo design, and various other marks are registered trademarks of Leupold & Stevens, Inc. All marks, including corporate logos and emblems, are subject to Leupold's rights and may not be used in connection with any product or service that is not Leupold's, or in any manner that disparages or discredits Leupold, or in a manner likely to cause confusion.

Certain other trademarks used in connection with Leupold products and services are the property of their respective owners, and are used with permission. BOONE AND CROCKETT CLUB and BOONE AND CROCKETT are registered trademarks of the Boone and Crockett Club. RMEF and ROCKY MOUNTAIN ELK FOUNDATION are registered trademarks of the Rocky Mountain Elk Foundation. ADVANTAGE TIMBER and ADVANTAGE TIMBER HD are trademarks or registered trademarks of Jordan Outdoor Enterprises Ltd. MOSSY OAK BREAK-UP, MOSSY OAK BRUSH, MOSSY OAK OBSESSION, and MOSSY OAK TREESTAND are trademarks or registered trademarks of HAAS Outdoors, Inc. A.R.M.S. is a registered trademark of Atlantic Research Marketing Systems, Inc.

We reserve the right to make design and/or material modifications without prior notice.

Copyright © 2016 Leupold & Stevens, Inc. All rights reserved.



Part # 172443
Artwork # 172447B