



LEUPOLD®



GX<sup>®</sup>-1i<sup>2</sup>

RANGEFINDER



OPERATING INSTRUCTIONS





# Table of Contents

Introduction .....	Page 1
About Leupold .....	Page 2
Accuracy .....	Page 4
How GX Rangefinders Work.....	Page 5
Safety and Operation Precautions.....	Page 6
GX Rangefinder Specifications .....	Page 8
Operation .....	Page 9
Other Useful Features .....	Page 20
Cleaning/Maintenance.....	Page 21
Warranty/Repair .....	Page 22

# 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-1i<sup>2</sup> rangefinder. To ensure top performance for the life of the product, please read these instructions before operating your GX-1i<sup>2</sup> rangefinder.

Your new Leupold GX-1i<sup>2</sup> digital laser rangefinder is a revolutionary, range-finding device that incorporates advanced digital electronics with state-of-the-art trajectory algorithms. The next generation Digitally eNhanced Accuracy (DNA®) engine incorporates additional signal processing techniques to generate better ranging distance with more accurate rangefinding. The GX-1i<sup>2</sup> features include PinHunter 2 Laser Technology.

# 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, however, 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, absolute waterproof integrity, and their vastly superior optical quality. More than 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 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-1i<sup>2</sup> 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 600 yards, while for highly reflective targets, distances of 800 yards can be obtained.

CONDITION	MAXIMUM RANGE
	GX-1i <sup>2</sup>
Reflective Target (yd/m)	800/732
Trees (yd/m)	600/550
Pin (yd/m)	400/365

## How it Works

The Leupold GX<sup>2</sup> rangefinders emit 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<sup>2</sup> 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<sup>2</sup> rangefinder is held, the greater the maximum distance.



# Safety and Operation Precautions

The Leupold GX<sup>2</sup> rangefinders employ an eye safe FDA Class 1 laser in their operation. Outside of the United States, the IEC is the governing body over laser products and has classified the GX<sup>2</sup> rangefinders as Class 3R. Even so, there are a few precautions that are important to remember:

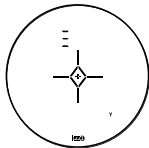
- Do not depress the POWER button while aiming at a human eye or while looking into the optics from the objective side
- Do not leave the GX<sup>2</sup> rangefinder within the reach of small children
- Do not take the product apart as it has a self-protection device in the electronic control module and may cause an electric shock
- Do not attempt to use any power source other than a CR-2 battery (or equivalent) — the GX<sup>2</sup> rangefinders are designed to prohibit accessing any other external power supply





## Safety and Operation Precautions (cont.)

- **Caution:** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser 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. The unit will produce an audible "click" when the power button is activated to notify the user that the rangefinder is emitting an invisible laser
- 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



GX-1i<sup>2</sup> Activated

(Display as seen through the eyepiece)

# Specifications

The GX-1i<sup>2</sup> 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-1i <sup>2</sup>
Magnification	6x
7 Selectable Aiming Reticles	Yes
Quick Set Menu	Yes
Line of Sight Distance	Yes
Yards/Meters	Yes
Fog Mode	Yes
Prism Lock	Yes
Scan Mode	Yes
Battery Life	>6000 Actuations
Weight (with battery)	6.2 oz
Dimension (Inches)	4" x 2.75" x 1.5"
Low Battery Indicator	Yes
Warranty	2 Years
Waterproof	Yes

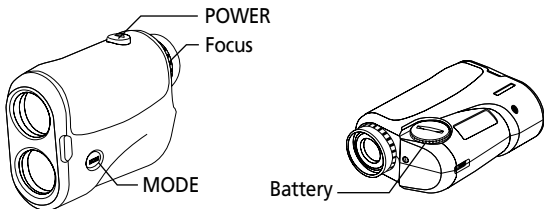
# Operation

## QUICK SET MENU™



\*GX-1i<sup>2</sup> display shown with all possible characters visible

## GX-1i<sup>2</sup>



The GX-1i<sup>2</sup> has two buttons: POWER and MODE. When you initially push 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 in the distance behind the pin. The GX-1i<sup>2</sup> rangefinder features PinHunter 2 Laser Technology, which will always provide you the distance measurement to the closest object ranged.

When you press and hold the MODE button for 1 second then release it, the Quick Set Menu™ is prepared for navigation. To set or activate a mode, you must advance to that function by pressing and releasing the MODE button until that function is displayed. To activate a mode, press and release the POWER button, the icon will display steadily and the word "On" will appear in the bottom portion of the display. Pressing the POWER button again will turn that mode off; displaying the word "OFF" in the bottom portion of the display. Each subsequent depression of the POWER button will toggle that function between on and off. If this is the last mode to be set, allowing the rangefinder to sit idle for 30 seconds will cause an automatic power-off, saving all selections. If additional modes require activation/deactivation, simply press and release MODE to continue through the Quick Set Menu.

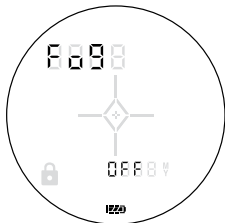
Pressing and holding MODE for at least 1 second at any time will exit the Quick Set Menu, save all previous changes, and prepare the rangefinder for immediate use.

Hold POWER and MODE simultaneously for at least 10 seconds to reset factory settings.

## FUNCTION 1: 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.

When entering the Quick Set Menu, Fog Mode is the first mode encountered. The word "Fog" will appear in the upper display and the lower display will show whether it is on or off. Press and release POWER to toggle Fog Mode on and off. Press MODE to save your selection and move on to the next function.





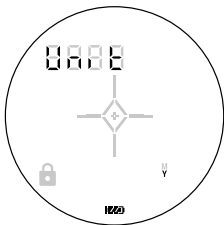
## TO ACTIVATE FOG MODE:

- 1) Press POWER to activate the rangefinder.
- 2) Press and hold MODE for at least 1 second to enter the Quick Set Menu; release the MODE button, 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 1 second. To continue through the Quick Set Menu and manipulate another function, 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" to remind you of the current setting. We recommend turning Fog Mode off during normal ranging to enable easy location of the pin/flag.*

## FUNCTION 2: YARDS/METERS OUTPUT

This mode allows you to select yards or meters for the measurement output unit. Press and release POWER to toggle between yards or meters. Press and release MODE to save your selection and move to the next function.



### TO ACTIVATE YARDS/METERS MODE:

- 1) Press POWER to activate the rangefinder.
- 2) Press and hold MODE for at least 1 second to enter the Quick Set Menu.
- 3) Press and release MODE until the word "Unit" is shown in the upper display.
- 4) While the word "Unit" is shown in the upper display, press and release POWER as necessary to toggle between yards and 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 at least 30 seconds until an automatic power-down occurs, or simply press and hold MODE for at least 1 second.

### FUNCTION 3: SELECTABLE RETICLES

This mode is used to choose from any one of 7 preloaded aiming reticles for your GX-1i<sup>2</sup> rangefinder. To select a reticle, press MODE repeatedly until the reticle begins flashing. Each time POWER is depressed the reticle style will change. Press MODE to select a reticle. The reticle choices are as follows:



Reticle  
with Plus Point™



Reticle  
without Plus Point



Diamond Plex  
with Plus Point



Diamond Plex



Plus Point™



Diamond  
with Plus Point



Diamond

## How Do I Choose a Particular Aiming Reticle?

- 1) Press POWER to activate the rangefinder.
- 2) Press and hold MODE for at least 1 second 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.
- 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 MODE for at least 1 second.

## USING PRISM LOCK

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<sup>2</sup> rangefinder by default, will produce an audible beep and the Prism Lock bracket will be displayed along with the measured distance.

The audible beep can be turned on/off utilizing the Quick Set Menu. Simply toggle through the functions using the MODE button until “bEEP” is shown in the display. Press and release POWER to select on or off.

Press and release MODE to save your current settings and exit the set up menu.

**NOTE:** *Prism Lock works best in Scan Mode while pressing and holding the POWER button.*



## Other Useful Features

1. Hold MODE + POWER for at least 10 seconds to reset the unit to factory settings.
2. Hold MODE for at least 1 second to enter the Quick Set Menu, or to exit the Quick Set Menu and save all changes.
3. Pressing POWER will toggle menu options on/off, and increment through mode options.
4. Pressing MODE will cycle through menu options and save mode settings.
5. To focus the GX-1i<sup>2</sup> rangefinder, turn the eyepiece left or right until crisp focus is achieved (you will feel and hear the clicking of the diopter, indicating a change to the focus has been made).

## 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 10) and remove exhausted battery. Insert new CR-2 battery, negative terminal first, in to the battery compartment. Close battery cover.

The GX<sup>2</sup> rangefinders are waterproof.

All GX<sup>2</sup> series rangefinders include a lanyard and are equipped with a lanyard attachment for added security in the field.



# Warranty/Repair

## **Leupold Gold Ring™ Electronics Full Two-Year Warranty**

This warranty covers any defects in materials and workmanship in the electronic components of illuminated riflescopes/sights, flashlights, flashlight components, RX Rangefinders, GX<sup>2</sup> Rangefinders, PinCaddie Rangefinder, RCX Cameras and Vendetta Archery Rangefinder. This warranty lasts for two years from the date of purchase. If, during that two-year period, these products are found to have defects in materials or workmanship, Leupold will repair, or if repair is not possible, either replace the product or refund the purchase price, whichever you prefer, free of charge.

For warranty exclusions, please visit [leupold.com](http://leupold.com).

In the 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](http://www.leupold.com), or call (503) 526-1400 or (800) LEUPOLD (538-7653).

Please take a few minutes to register your product at [leupold.com/register](http://leupold.com/register).

**For product questions, consult the Leupold Web site at:  
[www.leupold.com](http://www.leupold.com), or call (503) 526-1400 or (800) LEUPOLD (538-7653).**

LEUPOLD, GOLDEN 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. The ARD (anti-reflection device) is manufactured by Tenebraex Corp. under the name KillFlash, which is a trademark of Tenebraex Corp.

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

Copyright © 2014 Leupold & Stevens, Inc. All rights reserved.



# Notes

# Notes

# Notes

# Notes



[www.leupold.com](http://www.leupold.com)

Part # 120491

Artwork # 120652B