

Laser Sniper®

Shot Navi® **ELUA**

Laser Rangefinder for Golf

User Manual

## Introduction

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Thank you very much for purchasing Shot Navi Laser Sniper ELUA (hereinafter, referred to as "the product"). The product is a laser range finder for golf and intends your score-up and play-fast.

Before using the product for the first time, please read this user manual to use it properly and safely. After reading, make sure to keep this user manual in a safe place so that you can read whenever you want. Also, reproduction of this user manual without our permission is prohibited.

For any further information, please contact the store where you purchased the product.

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## For safe use

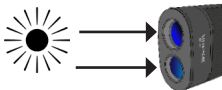
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Before using the product for the first time, please read this user manual and use the product properly and safely. After reading this user manual, make sure to keep it in a safe place so that you can read whenever you want. On using the product, please follow the caution instructions below for safe use. Also, reproduction of this user manual without our permission is prohibited.

- Do not drop the product or apply violent impact. Violent impact may cause serious damage.
- Operating temperatures of the product is from 0°C to 50°C . Use the product within the operating temperature range. The product is a precision equipment; therefore, avoid sudden temperature changes even within the operating temperatures.
- Do not leave the product for a long time in direct sunlight or high/low temperatures. It may cause malfunction or deterioration of the synthetic leather.
- When using or storing the product, keep it away from devices that generate strong electromagnetic/radiation or magnetic fields.
- If the product is not used for a long time, store it in a cool and dry place. We suggest to store it in a dry box if it is stored for a long time.
- Do not store the product in the following environments. It may cause accidents or damages.
  1. Humid place with poor ventilation
  2. Inside the car or trunk where excessive sunlight shines on the windows
  3. Environment where humidity exceeds 90%
- Never disassemble, modify, or repair the product yourself. It may damage the product or cause visual impairment due to laser beam irradiation. Also, the warranty becomes invalid.
- Do not use in the place where it is extremely cold or hot, and humid. It may cause malfunction.
- Do not use the product in a dusty place. It may cause malfunction.
- Keep the product away from fire. It may cause deformation or malfunction of the product.
- Although the product is water-resistant, do not intentionally get it wet or place it under water.

If it gets wet around the buttons, wipe out moisture first before operating it.
- Make sure that the charging cover is tightly closed before use.

\*Do not leave or store the product in a place where the lens is exposed to direct sunlight.



The display area may be damaged due to the light focusing effect of the lens.



## Warning!

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Do not perform the following actions. It may cause visual impairment.

- Do not look into laser irradiation port.
- Do not measure aiming at other people's eyes.
- Do not use the measurement button when you are not measuring distance.
- Never disassemble the product.
- Keep the product out of reach of children.
- Do not drop the product or apply strong impact to the product. If there is abnormal noise coming from the product, refrain from using and contact the store where you purchased the product.
- Never directly look at the sunlight or strong light sources.



## Attention!

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Do not perform the following actions.

- Do not use the product underwater.
- Do not store the product in a car under the hot sun (in a caddy bag in a trunk) or in a place exposed to direct sunlight.
- Do not place the product on or near a heating appliance.
- Sudden temperature changes (may cause fogging or condensation on the lens surface).

\* The product is designed to be waterproof for everyday use equivalent to IPX4. Although it is resistant to short rain and sweat while using, do not expose it under rain for a long time nor drop in water.

Also, when water drops get on the product, wipe it off frequently to prevent moisture from remaining on the surface, and dry it in the shade.

\* Storage of the product with empty battery may causes malfunctions.

The battery protection circuit prevents overcharging and zero voltage. However, if stored for a long time, the voltage may drop to zero due to self-discharge. To avoid it, if you store the product for a long time, do it with the battery level remaining about 50%.

Also, storage with full charge may causes damage of battery. Do not store for long periods while connected to the charger. Overcharging may cause swelling, heat generation, and fire due to chemical changes.

## Care for the product

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Blow away dust on the main unit with a blower or air duster, or wipe it gently with a soft and clean cloth.


As with the main body, when it comes to dirt on the lens, gently wipe off dust with a blower, air duster, or soft clean cloth, and then gently wipe off fingerprints and other stains with a commercially available lens cleaner.

Before wiping off the lens, to avoid damage, please confirm that there is no dirt or dust on the surface of the lens.

## Before use on golf courses

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The product calculates the distance by emitting a laser beam and measuring the time it takes for the laser beam to bounce back from the target and receive it. Depending on the environment at the time of measurement (color, shape, material, etc. of the target part, and weather conditions), it may not be possible to measure correctly or the measurement results may not be accurate.

 **Never look directly at the sun or its surroundings with the product.**

**Refrain from using the product in the early morning or at sunset while the sun is low, as you may unintentionally look at the sun due to backlight.**

**Also, due to the sunlight, measurement may not work correctly.**

# List of contained items

Main unit



User manual / Warranty card



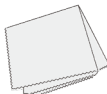
Charging cable



Leather-like case



Lens cloth



## Charging



Turn over the power supply cover on the back of the product, and even if the measured distance was forgotten while selecting a golf club, insert the USB-C terminal. Connect the USB-A terminal on the other side of the cable to your computer or AC adapter to charge.

While charging, the LED under the display will turn on and become red.

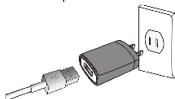
After charging is completed, the LED will turn on blue.

\* AC adapter is sold separately.

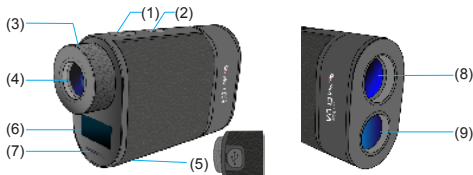
If the user prepares the adapter yourself, please use the one with the following specification.

Output: DC 5V, 500~1000mA

\* Unspecified AC adapter may cause accident or malfunctions.



## Names of parts



(1) Power source/  
measurement button

**Short press:** power ON (The last measured distance is displayed on the external LCD), When powered ON, the point measurement is set

**Press twice in succession:** the scan measurement

**Long press (hold):** the pin-seek measurement (pin searching)

(2) Mode switching button  
(Meter/Yard)

**Long press of the Power/Mode buttons:** Switching Meter/  
Yard (M/Y)

**Long press for 3 seconds:** height difference measurement  
ON / OFF

**\*Factory setting is Y (Yard).**

**\*Factory setting is height difference ON.**

(3) Focus adjustment ring    (4) Viewfinder    (5) Power supply cover / USB terminal

(6) External LCD of the laser display

(7) LED    Lights off: Height difference ON  
             Lights on: (Blue) Height difference OFF / Charging completed  
                             (Red)Charging

(8) 6x telephoto lens / Laser receiver    (9) Laser irradiating port

**⚠ Never look into the laser irradiating port. Laser beams may cause visual impairment.**

### Adjusting focus

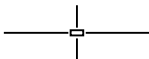
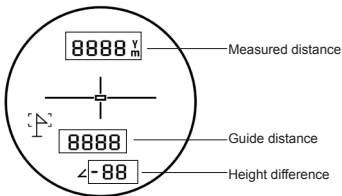


In case of poor visibility, turn the adjustment ring.




# Explanation of screen display

## Internal LCD



Target mark

Place the target you want to measure in the center of  and start to measure.



Pin-seek measurement

It is displayed on the pin-seek measurement.



Height difference mark

Displays height difference.

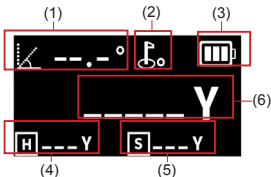


Distance unit

Chosen distance unit is displayed.

m: Meter Y: Yard

## External LCD




(1) Angle

(2) Golf mode

(3) Battery level

It displays current battery level.

If  is displayed, please charge the main unit.

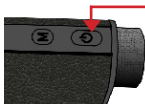
(4) Height difference

(5) Guide distance

(6) Measured distance  
(m: Meter Y: Yard)

## Measure distances

### Power ON / OFF



Look into the viewfinder and press the power/measurement button in short duration. If turned ON, the display appears in the viewfinder. If you do not perform any action for 15 seconds, power will become OFF automatically.

- \* If nothing is displayed, check the battery level.
- \* If power is ON, the external LCD displays the last measurement distance.
- \* When you turn on the product for the first time, it may display the distance of pre-shipment inspection.

## Types of measurement

### (1) Point measurement

Measure the distance to the target focused in the center of the viewfinder.



1. Press the power/measurement button for a short duration to turn it on.

Move the product so that a target object comes into the center of the target mark and then again, press the power/measurement button for a short duration to start measurement.



2. The measurement results will be displayed.

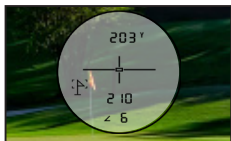
\*In case that you are unable to measure the pin flag well, try the Pin-seek measurement on page 11.

## (2) Pin-seek measurement (Pin search assist function)

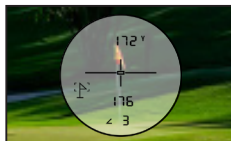
This function helps you to seek a pin-flag when it is difficult to focus on it. When searching for a target that is closer to the first measured target, a vibration will notify you that the measurement is completed.



1. Press the power/measurement button for a short duration to turn on the power. Start measurement by pressing and holding the measurement button toward the object behind the pin-flag.



2. Once temporary distance is displayed, slowly move the product so that the pin-flag comes in the center of your aim.



3. When the aim matches the pin-flag, the measurement is completed with a vibration. The displayed distance is the distance to the pin-flag.

\* To measure other objects than a pin-flag, restart measurement.

\* When the battery level is low, the pin-seek function may not work correctly.

\* It works when the distance between the front (pin) and back target is more than 5m.

\* If the pin is more than 250 yd away, the pin-seek function may not work correctly.

### (3) Scan measurement

This function allows you to know distances to various targets like bunkers, creeks, trees, etc. at once.



1. Press the power/measurement button for a short duration to turn on the power. Start the measurement by pressing the measurement button twice quickly to start measurement by focusing the target object.
2. For about 10 seconds, continuously measure the distance to the targets.
3. After 10 seconds or pressing the power/measurement button shortly again, the measurement will complete with a vibration.

## Confirming the measured distance of the last time

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The product tells the measured distance and height difference of the last time by the external LCD.



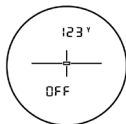
If you press the power/measurement button for a short duration, the last measured distance etc. will be displayed on the external LCD.

The internal LCD does not display the last measured distance but only --- is displayed. If you forget the previous measured distance while choosing a golf club, there is no need to measure again.

\* When you turn on the product for the first time, the external LCD may display the distance of pre-shipment inspection.

## Height difference measurement ON/OFF

### Height difference OFF



If you want to turn the height difference measurement OFF, press and hold the mode switching button for 3 seconds with the main unit ON. The area where guide distance and height difference are displayed will be changed to "OFF" and guide distance and height difference will not be displayed.

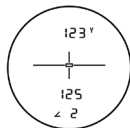


Height difference will not be displayed even on the external LCD.

When the height difference measurement is OFF, the LED turns ON.

It is a signal that you have not measured height difference.

### Height difference ON



If you want to return the height difference measurement ON, press and hold the mode switching button again for 3 seconds while the power is ON. It will display height difference, guide distance and height difference mark.

\*Factory setting is height difference measurement ON.

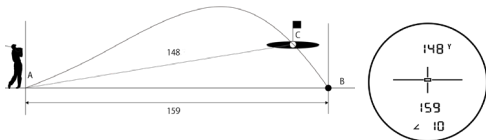


When the height difference measurement is ON, the LED turns off.

# Guide distance

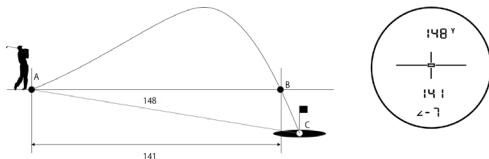
## Uphill

If you shot the straight distance to the pin from A to C (148Yd), the ball will not reach the pin as much as it is being uphill. To reach the pin, you need to shot the horizontal distance from A to B (159Yd). The product automatically displays from A to C (straight distance) and from A to B (estimate distance to shot).



## Downhill

If you shot the straight distance to the pin from A to C (148Yd), the ball will go over the pin as much as it is being downhill. To reach the pin, you need to shot from A to B (141Yd) in horizontal distance. The product automatically displays from A to C (straight distance) and from A to B (estimate distance to shot).



\* When the height difference measurement is OFF, the guide distance and height difference are not displayed.

# Specification of the product

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Dimensions	95.5 x 61 x 36mm
Weight of the product	145g
Battery	Lithium Polymer Battery
Charging time	3.5 hours Number of uses when fully charged: Point measurement about 39,000 times*
Measuring range	5~1,312y (5~1,200m)
Measurement error	±1m
Magnification	6 times
Laser wavelength	905nm
Laser standard	IEC 60825-1 Class 1M Laser Product
Lens diameter/effective diameter	21mm / 19.8mm
pupil diameter	3.3mm
Eye relief	14.7mm
Operating temperature	0~50°C
Storage temperature	-20~60°C
Water-resistant	IPX4 (water-resistant under normal usage)

\* The number of uses decreases depending on the number of years of use and number of uses (aging).

## FAQ

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Q. The product does not turn on


- A. • Check that charging is full.
- Check if you press the power button.

Q. The measured distance seems incorrect

- A. • Check if the lens is dirty.
- Check if the target to be measured is placed in the target cross mark.
  - Check if the measured distance comes up incorrectly even on other target objects.

\* A feature of laser measurement is that distance is measured by the time it takes for the laser to bounce back. Measurement may not be possible under the following conditions and environments.

- When it is raining or foggy
- When it is difficult to aim the laser because a target is small or thin.
- If the laser does not reflect well when the target is black, has a complex shape, curved/water/glass/mirror surface, etc.
- When the sun is shining directly into the lens, such as when the sun is low and backlit.

 For protection of your eyes, do not directly look into the sun and its surroundings through the viewfinder.



## After-sales service

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In case that the product malfunctions even though you normally use it according to the instructions in this user manual, we will repair or replace it free of charge for 1 year after purchase. If you need repair or replacement, please bring the product with warranty card to the store where you bought it. We will provide after-sales service to customers according to the following contents. Agree to these regulations before requesting after-sales service.

### 1 Repair and replacement

1. The things sent together with the damaged product may not be returned. Before sending, please detach the objects which you attached after you bought the product.
2. Products will be repaired or replaced at our discretion.  
From the perspective of environmental protection, we may use recycled parts for repair or replacement.
3. We may change specifications of the product or accessories.
4. The service is available only within the country where you purchased the product.

### 2 Cases we decline to repair in the following conditions

1. In case that the product was improperly disassembled, repaired or modified.
2. In case the insufficient packaging seems the cause of damage.
3. In case of severe damages, and we judged that even after repair, it is difficult to keep its correct functions.
4. In case that the product is submerged in water or there are traces of water intrusion

### 3 Charges

After the warranty period, after-sales service is charged.

For detailed charges, please contact to the store where it was purchased.

# Warranty regulations

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- 1 We will repair free of charge if the product breaks down when used in accordance with the instructions in this user manual during the warranty period.
  - A. If you request inspection, please bring the product and this user manual/warranty card to the store you bought it.
  - B. Support is limited to the country where the product was purchased.
- 2 Even within the warranty period, the following cases will be charged.
  - A. Damages or malfunctions caused by improper use, disassemble, repairing and modifying
  - B. Damages or malfunctions caused by transportation or dropping after purchase
  - C. Damages or malfunctions due to fire, earthquake, and water, lightning and other natural disasters, abnormal voltage, unspecified power supply (voltage/frequency)
  - D. Damages or malfunctions caused by strong impact like dropping, pressing or twisting
  - E. Replacement of consumables and accessories
  - F. Malfunctions caused by being left in abnormally high temperatures (car dashboard, trunk, direct sunlight, etc.) or extremely low temperatures
  - G. Damages or malfunctions due to use in rainy weather
  - H. Appearance changes such as scratches that occur during use
  - I. In case that there is no warranty card, that there is no necessary description information in the warranty card (purchase date, customer's name, store name) or that the text has been changed
  - J. Products purchased on auctions or private sales will not be covered by the warranty.
- 3 This warranty card shall be valid only within the country where you purchased the product. Please keep it in a safe place because we will not reissue it.
  - \* The following cases are charged: damages due to dropping, damages by cart stepping on the product, damages due to hitting or stepping on, damages due to sitting down on the product while the product is kept in the user's pocket.
  - \* Please note that personal information written by the customer (warranty copy) may be used for free repairs within the warranty period, and the product may be used for subsequent safety inspection activities.
  - \* This warranty card does not limit your legal rights.
- 4 Important Notes Regarding Global Support.
  - A. Repairs for a product are generally carried out in the country where you purchased it.
  - B. There may be restrictions on shipping and handling repaired items to other countries. Please contact the store where you purchased the product for more information.

Note: This warranty shall be valid only within the country where you purchased the product. For sale and use in the country only. Commercial use and rental prohibited.