

RFX

LASER RANGEFINDER FOR HUNTING

User Manual v1.0



**CUSTOMER
SERVICE**

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We appreciate you choosing RIX.

Please read the instruction manual carefully before using this product.

Thank you and happy hunting!



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01 PRODUCT OVERVIEW

Thank you for purchasing and using this laser rangefinder.

The laser rangefinder is an optical device integrating multiple functions such as telescopes, hunting, golf, and engineering surveying. It has the advantages of small size, light weight, comfortable grip, high measurement accuracy, short ranging time, fast and convenient reading, low power consumption and auto power off without operation.

1. When the product is not turned on or powered on, it can be used as an ordinary optical telescope, and the diopter can be adjusted by rotating the eyepiece adjustment handwheel for quick focusing.
2. The rangefinder emits laser light, which is safe for human eyes, and can accurately measure distances for different objects such as trees, deer, and golf flags (the maximum ranging distance varies depending on the object and the reflectivity of the target).

Product Features

- Small size, light weight, portable
- Rechargeable built-in lithium battery
- High precision, fast measurement speed, low power consumption
- Safe laser, no harm to eyes
- Silent operation
- Auto power off for power saving if there is no operation in 15 seconds
- Speed measurement mode
- Ranging mode
- Magnetic bracket

02 SAFETY INSTRUCTIONS

Before using the instrument for the first time, please carefully read the instructions for safety and operation.

- ① When emitting laser, do not stare into the laser emission hole.
- ① Do not aim the instrument directly at the sun to avoid injury to eyes and damage to internal components.
- ① Do not open or repair the instrument without permission. It is strictly forbidden to modify or change the performance of the laser transmitter of the instrument.
- ① Put the instrument properly away from children, and avoid use by unauthorized persons.
- ① Do not place the instrument in an environment of extreme temperature. The recommended temperature for use and storage is $-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$ ($14^{\circ}\text{F}\sim 140^{\circ}\text{F}$).
- ① Do not dispose of scrapped instrument together with domestic waste. Please follow relevant local laws and regulations.
- ① If there is any quality problem with the instrument, or if you have any questions about the use, please contact us for help in time.

03 APPEARANCE

Power/measure key
Mode/unit switch key

Emission objective lens

Receiving objective lens

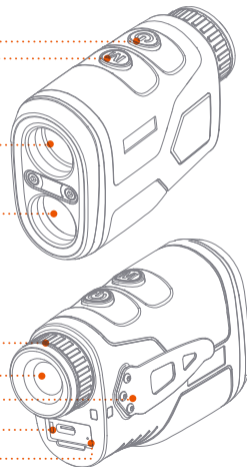
Eyepiece adjustment handwheel

Eyepiece

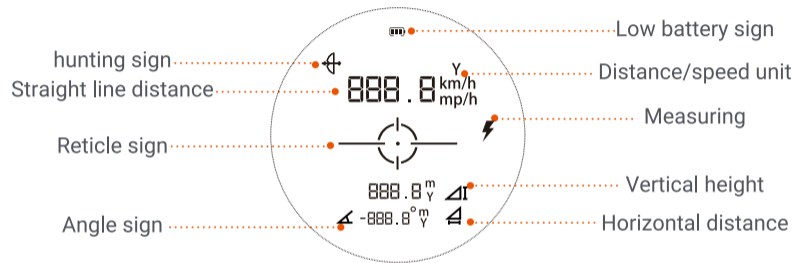
Belt clip

USB charging port

Charging indicator




Screen diagram (full screen)




▼04 FUNCTION

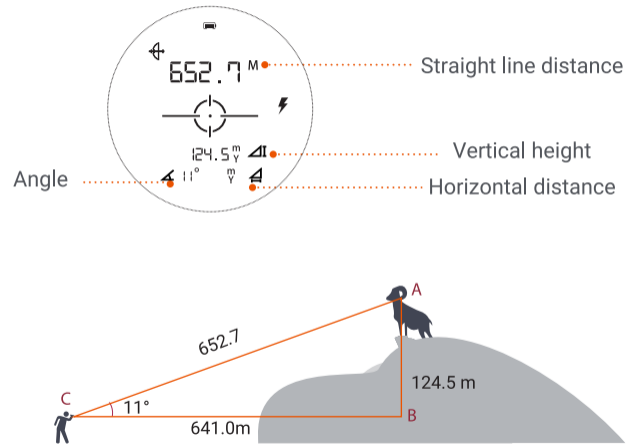
1. Power on/off:

Press the Power /Measure key  to turn on the power. If there is no operation for 15 seconds, the instrument will automatically power off.

2. Unit switching:

Press and hold the  key to switch the unit between M and Y.
Press it to switch between 2 measurement modes.

3. Ranging mode:



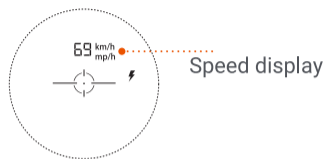
1. Ranging range:

In most cases, the ranging range of this instrument is 5-1200 yards (the maximum ranging is based on the measurement of light-colored buildings, and the color depth, weather conditions, target size and surface shape may affect the maximum ranging).

2. Specific operation

- ①. When operating the rangefinder, press the Power/Measure key once to activate the display. If the displayed icons and numbers are blurred, turn the eyepiece in either direction until it is in focus, and aim the reticle (located in the center of the screen) at a target at least 5 yards away (the rangefinder is equipped with an eyepiece that supports $\pm 6^\circ$ diopter adjustment).
- ②. After the rangefinder is turned on, it enters ranging mode. You can press and hold the Power/Measure key, aim at different ranging targets, and perform ranging operation continuously to obtain real-time ranging results. When you release the key, the screen will display the last group measurement data.

4. Speed measurement mode



1. Speed range: 18~300 km/h

2. Specific operation

- ①. As shown in the figure, the horizontal angle between the measurer and the moving object to be measured should be less than 10° , the smaller the angle, the better the accuracy.
- ②. After turning on the machine, press the M key to switch to the speed mode. Long press the M key to switch units
- ③. Press the Power/Measure key, aim the reticle at the object to be measured, and move slightly with the object to measure the speed of the object.

05 TECHNICAL PARAMETERS AND SPECIFICATIONS

| Item | Specifications |
|---------------------|------------------------|
| Dimensions | 115 mm * 75 mm * 45 mm |
| Weight | 170 g |
| Range | 1200Y |
| Error | $\pm 0.5Y$ |
| Unit | m(Meter), Y(Yard) |
| Ranging mode | ✓ |
| Speed mode | ✓ |
| Horizontal distance | ✓ |
| Vertical height | ✓ |
| Angle display | ✓ |
| Laser wavelength | 905 nm |

| Item | Specifications |
|--------------------------|--------------------------------|
| Telescope zoom step | 6X |
| Objective lens aperture | 21 mm |
| Eyepiece aperture | 15 mm |
| Diopter adjustable range | ±6° diopter |
| Exit pupil diameter | 3.7 mm |
| Battery capacity | 750 mAh |
| Battery life | Charge and discharge 800 times |
| Battery working time | 30000 times (fully charged) |
| Battery type | Built-in lithium battery |
| Waterproof level | IP54 |
| USB interface | Type-C |
| Field of view | 7° |
| Display | Transmissive LCD |

06 ACCESSORIES

- | | | | |
|----------------|-----------------------|---------------|---------------------|
| 1. Rangefinder | 2. Portable soft case | 3. Data cable | 4. Lens tissue |
| 5. Carabiner | 6. Hand strap | 7. Manual | 8. hexagonal wrench |

07 CLEANING AND ROUTINE MAINTENANCE

In order to obtain the highest light transmittance, the lens of this laser rangefinder is fully coated with multiple layers. Please follow the tips below to properly clean the lens.

- To remove dirt or fingerprints, please clean with the included microfiber cloth.
- The rangefinder is waterproof, but it must not be exposed to heavy rain or direct water, and cannot be submerged in water or other liquids.
- For a more thorough cleaning, use camera lens cleaning paper and camera lens cleaning solution or isopropyl alcohol. Always apply the cleaning solution to the cleaning cloth! Never apply directly to the lens.

08 TROUBLESHOOTING AND WARRANTY POLICY

1. Troubleshooting:

1.1 If the device can't be turned on and the display is not lit

- Press the Power/Measure key
- Check the battery power and recharge

1.2 If the device battery is low

- Recharge

1.3 The screen is not clear and the vision is blurred

- Wipe the eyepiece and objective lens with lens tissue to ensure that the lens surface is clear
- Rotate the eyepiece adjustment handwheel to adjust the diopter and zoom step until the field of view is clear

1.4 If the target distance can't be obtained

- Confirm that the display is normal
- Make sure the Power/Transmit key is pressed
- Make sure that the objective lens (the lens closest to the target) is not blocked by objects such as hands or fingers when transmitting and receiving laser pulses
- Make sure the device is stable when the Power /Measure key is pressed

Note:

Before ranging the next target, it is not necessary to clear the previous ranging data. Simply aim at a new target with the reticle, press and hold the Power/Measure key until the new distance reading is displayed.

2. Warranty policy

2.1 Warranty period:

Under normal circumstances, the rangefinder is provided with a warranty for failures caused by quality problems within 1 year from the date of purchase.

2.2 During the warranty period, the following situations are not covered by the warranty

- Damaged by the user due to improper use, maintenance and storage
- Dismantling and repairing without authorization or by unauthorized third party
- No warranty card or proof of purchase
- The serial number on the warranty card does not match the product/order
- Product damage due to force majeure
- Damage or loss due to abnormal factors such as temperature and humidity during instrument use