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> VQTIL Golf Rangefinder Model bb429 User Manual

## VQTIL bb429

# VQTIL Golf Rangefinder Model bb429 User Manual

Laser Range Finder with Slope and Flag Acquisition

## 1. INTRODUCTION

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This manual provides detailed instructions for the VQTIL Golf Rangefinder Model bb429. This device utilizes advanced laser technology to accurately measure distances up to 700 yards, featuring slope correction, flag acquisition with vibration, and 6X magnification. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance.

## 2. SAFETY INFORMATION

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Please observe the following safety precautions to prevent injury and damage to the device:

- **Laser Safety:** This device emits invisible laser radiation. Do not stare into the laser beam or aim it at others. Class 1 laser product.
- **Eye Protection:** Do not look directly at the sun through the rangefinder, as this may cause permanent eye damage.
- **Battery Safety:** The device uses a rechargeable Lithium-Ion Polymer battery. Do not disassemble, puncture, or expose the battery to extreme temperatures or fire. Dispose of batteries according to local regulations.
- **Water Resistance:** The device is water resistant (IP54 rated), meaning it is protected against splashing water. Do not submerge the device in water.
- **Cleaning:** Use a soft, dry cloth to clean the lenses and body. Avoid abrasive materials or harsh chemicals.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- VQTIL Golf Rangefinder Model bb429
- Carrying Bag
- USB Charging Cable (Type-C)
- Cleaning Cloth
- User Manual

## 4. PRODUCT OVERVIEW

The VQTIL Golf Rangefinder is designed for precision and ease of use on the golf course. It features a compact design and intuitive controls.



**Figure 4.1:** VQTIL Golf Rangefinder with key features highlighted. This image illustrates the device's capabilities including its range, magnification, field of view, measurement speed, continuous scan function, USB-C charging port, distance unit options, accuracy, waterproof rating, and vibration feedback.

### Component Identification:

1. **Objective Lens:** Front lens for viewing the target.
2. **Eyepiece/Diopter Adjustment:** Adjust to focus the display for clear viewing.
3. **Power/Measurement Button:** Activates the device and initiates distance measurement.
4. **Mode Button:** Switches between different measurement modes (e.g., standard, flag lock, continuous scan).
5. **Slope Switch:** External switch to enable or disable the slope compensation feature, making the device tournament legal when disabled.

6. **USB-C Charging Port:** For recharging the internal battery.

7. **Magnetic Strip:** Located on the side for attaching to metal surfaces like a golf cart frame.

## 5. SETUP

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### 5.1 Charging the Battery

The rangefinder is equipped with a built-in 750mAh rechargeable Lithium-Ion Polymer battery. Before first use, fully charge the device.

1. Locate the USB-C charging port on the side of the rangefinder.
2. Connect the provided USB-C cable to the rangefinder and the other end to a standard USB power adapter (not included) or a computer USB port.
3. The charging indicator will illuminate. Once fully charged, the indicator will change or turn off.



**Figure 5.1:** Illustration of the USB rechargeable feature and IP54 waterproof rating. The image shows the internal battery structure and the device being used in light rain, highlighting its durability.

## 5.2 Powering On/Off

- To power on, press the Power/Measurement button briefly. The display will activate.
- The device will automatically power off after a period of inactivity to conserve battery.

## 5.3 Diopter Adjustment

Rotate the eyepiece left or right until the display and target appear clear and sharp to your eye.

## 5.4 Unit Selection (Yards/Meters)

With the device powered on, press and hold the Mode button for approximately 3 seconds to switch between Yards (Y) and Meters (M) display units.

# 6. OPERATING INSTRUCTIONS

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## 6.1 Basic Distance Measurement

1. Power on the device.
2. Aim the crosshairs in the display at your desired target.
3. Press the Power/Measurement button once. The measured distance will be displayed instantly.

# Fast Accurate Scan

Measuring Range:5-700Yards

- Powerful Software Technology
- Syooirt Can Quickly And Accurately
- Calculate The Distance Even If Shaking Occurs.



**Figure 6.1:** Golfer demonstrating the fast and accurate scan feature. This image shows a user aiming the rangefinder at a flag on the golf course, illustrating its capability to quickly calculate distances even with slight movement.

## 6.2 Slope Compensation Function

The rangefinder can calculate slope-adjusted distances, providing a more accurate "play as" distance for uphill or downhill shots. It also features an external switch to disable this function for tournament play.

- **Enable/Disable Slope:** Use the external physical switch on the side of the device to toggle the slope function on or off. When disabled, the device is legal for golf tournaments.
- When slope is enabled, the display will show both the actual measured distance and the slope-adjusted distance.

# Precise Slope Compensation Function

Precise Slope Compensation Function



**Figure 6.2:** Visual representation of the precise slope compensation function. The image illustrates how the rangefinder calculates and displays both the direct measured distance and the slope-adjusted distance, aiding golfers in club selection.

## 6.3 Flag Acquisition with Vibration Lock

This mode helps to lock onto the flagstick, ignoring background objects, and confirms the lock with a vibration.

1. Ensure the device is in Flag Lock mode (usually indicated by a flag icon on the display). Press the Mode button to cycle through modes if necessary.
2. Aim the crosshairs at the flagstick.
3. Press and hold the Power/Measurement button while slowly scanning across the flagstick.
4. Once the flag is acquired, the device will vibrate twice, and the distance to the flag will be displayed.

# Vibration Lock Mode

Even with glasses on, you will not have any issues adjusting the focus to see the target clearly, simply turn the eye piece to focus on your target



**Figure 6.3:** Demonstration of the Vibration Lock Mode. This image shows the rangefinder's display before and after locking onto a flagpole, indicating the two-vibration confirmation for flag acquisition.

## 6.4 Continuous Scan Mode

For scanning multiple targets or moving objects, use the continuous scan mode.

1. Press the Mode button until the continuous scan icon appears (if applicable).
2. Press and hold the Power/Measurement button.
3. Pan the rangefinder across various targets. The distance display will update continuously.

## 6.5 Magnetic Attraction Feature

The rangefinder includes a powerful magnetic strip for convenient attachment.

- The magnetic strip is located on the right side of the device.
- Attach the rangefinder to any suitable metal surface, such as the frame of a golf cart, for easy access during play.



**Figure 6.4:** Demonstration of the magnetic attraction feature. This image shows the rangefinder securely attached to the metal frame of a golf cart, highlighting its powerful magnetic strip for convenient storage and access.

## 7. MAINTENANCE

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- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the objective and eyepiece lenses. Do not use excessive force or abrasive materials.
- **Cleaning Body:** Wipe the body of the rangefinder with a soft, damp cloth. Avoid using solvents or harsh detergents.
- **Storage:** Store the device in its carrying bag in a cool, dry place when not in use. Avoid direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the device regularly, even if not used for extended periods.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the battery using the provided USB-C cable.
Inaccurate distance readings.	Lens is dirty; target is too small or reflective; environmental interference (fog, heavy rain).	Clean the lenses. Ensure target is clear. Avoid use in extreme weather conditions.
Display is blurry.	Diopter not adjusted correctly.	Rotate the eyepiece to adjust the diopter until the display is clear.
Cannot acquire flag.	Not in Flag Lock mode; unsteady hand; flag obscured.	Ensure Flag Lock mode is active. Scan slowly across the flag. Try again when the flag is clearer.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	bb429
Measuring Range	5 - 700 yards (3 - 700 meters)
Accuracy	±0.5 yards
Magnification	6X
Field of View	7 degrees
Measuring Speed	<0.5 seconds
Battery Type	Rechargeable Lithium-Ion Polymer, 3.7V, 750mAh
Charging Port	USB Type-C
Water Resistance Level	IP54 (Water Resistant)
Product Dimensions	12.7 x 5.08 x 7.62 cm
Item Weight	180 Grams
Material	Plastic
Color	White
Manufacturer	Shenzhen Hanwei Intelligent Technology Co., LTD

## 10. WARRANTY AND SUPPORT

This VQTIL Golf Rangefinder Model bb429 comes with a **30-day manufacturer's warranty** from the date of purchase, covering defects in materials and workmanship.

For warranty claims, technical support, or any inquiries regarding your product, please contact the manufacturer directly:

- **Manufacturer:** Shenzhen Hanwei Intelligent Technology Co., LTD
- Please refer to your purchase documentation for specific contact details or visit the official VQTIL website for support information.

*Please retain your proof of purchase for warranty service.*

