




HORUS™
TARGETING INNOVATION

USER MANUAL

HOVR 1.0 BT 2000 LASER RANGEFINDER



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USER MANUAL

HOVR 1.0 2000 BT

The HoVR 1.0 BT 2000 Laser Range Finder (LRF) integrates the latest in rangefinder technology with Bluetooth capability, providing accurate range data and wireless communication with the Horus Ballistics App for fast and accurate results at the touch of a button.

With ranging capability of up to 2,000 yards, the *HoVR 1.0 BT 2000 LRF* instantly provides range and inclination data via the internal display, as well as to the Horus Ballistics App. It also provides a SCAN mode allowing for continuous ranging of an object.

Get ready to range find like you've never experienced before with the ease of use, speed, and accuracy you expect from **Horus Vision**.

PRODUCT FEATURES

- Bluetooth Connectivity to the Horus Ballistics App
- SCAN Mode
- Internal High-Contrast LCD Display
- Range and Inclination Measuring
- Output in Yards OR Meters
- Automatic Shutdown Function (after 8 seconds of inactivity)
- IP54 Ingress Protection
- Battery Life Greater than 5,000 Measurements
- Tripod Adapter
- Diopter Adjustment +/-3

NOTE: The laser range finder is suitable for measuring high reflectivity objects (such as highway signs), moderate reflectivity objects (such as building walls) and low reflectivity objects (such as trees, animals, etc). The measuring range will be shortened as reflectivity declines. Additionally measuring range can be shortened by various weather conditions.

SPECIFICATIONS

BATTERY.....	CR2 - 3.0V
COLOR.....	Black
MAGNIFICATION.....	6x
EYEPIECE LENS DIAMETER.....	16mm
OBJECTIVE LENS DIAMETER.....	26mm
RANGE.....	2000 Meters
ACCURACY.....	+/- 1yd/m, +/- 1°
WEIGHT.....	7.5oz
LASER WAVELENGTH.....	905nm (laser class 1)
OPERATING TEMPERATURE.....	14°F to 120°F
BLUETOOTH CONNECTIVITY.....	Horus Ballistics App

INCLUDED IN BOX



HoVR BT
Laser Range Finder



Lanyard



Protective Case

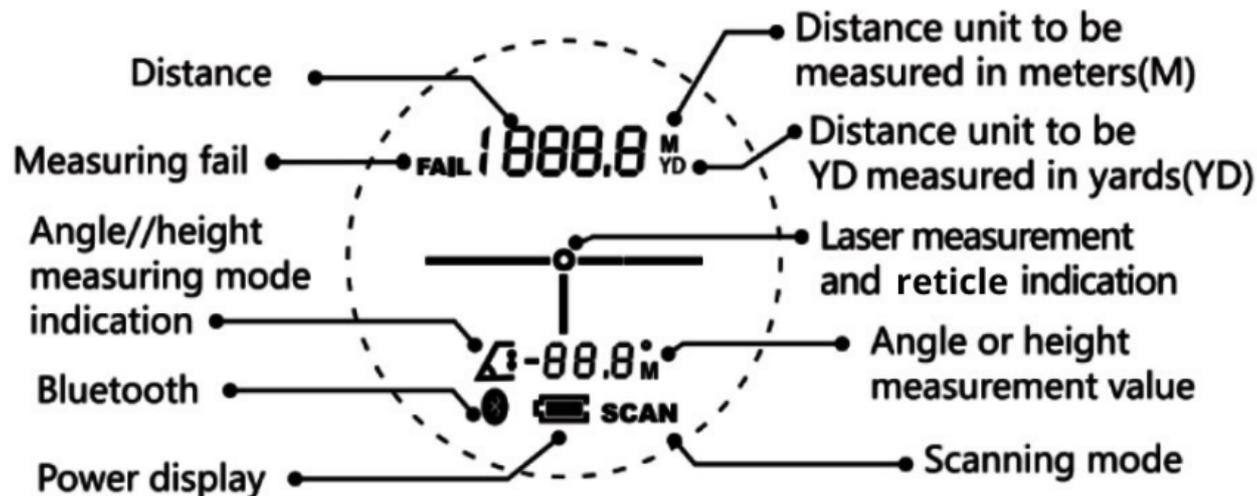


Battery Cap Opener



User Manual

DISPLAY READINGS



ADJUST DIOPTR

Turn display on, look through the viewfinder, and rotate the eyepiece until the image is clear.

RANGE TARGET

Looking through the viewfinder, find the item that you'd like to measure, place reticle on target, and then press the "Range" button.

CHANGE UNITS

Looking through the viewfinder with a range reading visible, press and hold the "MODE" button for 3 seconds and release.

CHANGE MODES

Looking through the viewfinder, press the "MODE" button to cycle through the modes as follows:

- 1) Bluetooth & Scan ON
- 2) Bluetooth ON
- 3) Bluetooth OFF

REPLACING BATTERY

- Remove the battery cap by turning in a counterclockwise motion
- Remove old battery
- Make sure you insert the new battery in the correct direction (positive terminal into the unit and negative against the battery cap)
- Close the battery lid by turning it clockwise

TROUBLESHOOTING

GETTING "FAIL" WHEN ATTEMPTING TO RANGE

1. Unit cannot reliably range targets greater than 2000 meters.
2. Unit cannot reliably range highly reflective targets at extreme angles (examples include long grass, windows, and similar).
3. Excessive rain, humidity, or particulate in the air (smoke, pollen, and similar) can dramatically reduce unit ranging capability.

DOES NOT SHOW UP IN HORUS BALLISTICS APP OR WILL NOT CONNECT

1. Bluetooth on phone turned off:
Verify in your phone settings that Bluetooth is turned on.

2. Low battery:

If battery is old or drained, replace the battery and reconnect to the unit.

NOTE: Bluetooth functionality requires more battery power than ranging so unit may range targets normally but depending on the distance to your phone, the signal interference in the area, or atmospheric conditions there may not be enough battery power for Bluetooth functionality.

3. Bluetooth on unit turned off:

Press "MODE" button until the Bluetooth Icon () is visible.

4. Signal Interference

Frequently connecting and disconnecting multiple peripherals to your phone via Bluetooth, or excessive interference from large numbers of cellular, Bluetooth, wi-fi, or other signals in the area, can interfere with the connection between your phone and the HoVR 1.0 BT 200 LRF. To resolve try the following, if Option 1 does not resolve the issue proceed to Option 2, then Option 3:
(continued on next page)

TROUBLESHOOTING

4. Signal Interference (continued)

Option 1: Close the HORUS Ballistics App and let the unit power off, then re-open the HORUS Ballistics App and power on the unit and re-connect.

Option 2: Close the HORUS Ballistics App and turn Bluetooth off and then back on on the unit, then re-open the HORUS Ballistics App and power on the unit and re-connect.

Option 3: Close the HORUS Ballistics App then power off the unit AND remove and replace the battery, then re-open the HORUS Ballistics App and power on the unit and re-connect.

SAFETY PRECAUTIONS

Please read this entire manual prior to using this product to ensure safe operation and to avoid potential injury. Please place this manual where it is easily accessible.

Product packaging and waste products should be handled or recycled in accordance with all applicable laws and regulations.

- Do not stare at the laser beam.
- This product meets the FDA class 1 on vision safety, which means that under the condition of ordinary use, there is no risk of staring at the laser. Like any other laser device, proper precautions should be taken during the operation. Using other optical instruments together with this product may injure the eye.
- Do not measure/range or look at the sun, doing so with this product may cause permanent eye injury.

SAFETY PRECAUTIONS

- The internal components of the lens system can be permanently damaged when the lens is placed directly under the sunlight, even for a short period of time.
- Do not place the eyepiece under direct sunlight.
- Do not store or use this product in extreme temperature conditions. The temperature range for using or storing this product is 14 to 120 Fahrenheit.
- If handled improperly, the battery may cause leakage leading to equipment corrosion or clothing stain.
- The battery should be installed with the "+, -" poles in right direction as labeled.
- Please take out the battery if it runs out or not using the unit it for long periods of time.
- Please replace the battery with the same type.

SAFETY PRECAUTIONS

- Please don't attempt to install or remove battery with metal such as keys and coins for it may cause overheating or short circuit of the battery.
- Please don't charge the lithium battery or it may result in leakage or damage to the equipment.
- Don't store the lithium battery in extreme temperatures.

LIMITED WARRANTY (TRANSFERABLE)

Congratulations on your purchase of a Horus Vision product. As provided herein, Horus Vision warrants (the "Limited Warranty") to its original purchasing customer and permitted transferees (collectively, a "Customer") that manufactured products (the "Product" or Products," as the context so requires) sold by Horus Vision will be free from defects in material or workmanship for the intended use and under normal conditions for a period of thirty-six (36) months from the date of sale of such Product to the initial Customer. Date of sale shall be established by the initial Customer's purchase receipt or by the products serial number if purchased directly from Horus Vision.

Remedies

If Customer believes that a Product is defective and covered by this Limited Warranty, Customer must notify Horus Vision in writing within 30 days of its discovery of the defect, at which time Customer will receive a Return Merchandise Authorization ("RMA") number. The Customer's notice must identify the Product, including by serial number, and contain a detailed description of the alleged defect. The method of such notification must be by completing an RMA Request Form at www.horusvision.com or by telephone at (866) 568-2926. All returns must be accompanied by an RMA number and a purchase receipt.

Horus Vision will investigate warranty claims in good faith and with reasonable promptness. If Horus Vision determines that the Product is defective and covered by this Limited Warranty, Horus Vision will, at its option, either repair or replace the defective Product. Horus Vision may, at its option (a) send a replacement Product to Customer, (b) repair or replace Product on-site, or (c) require Customer to ship the Product to Horus Vision's authorized service facilities. This Limited Warranty does not include the cost of Customer's removal, shipment or reinstallation of Product, which shall all be at Customer's risk and expense. The foregoing are Customer's sole and exclusive remedies for any defect in any Product.

This Limited Warranty may be transferred to a transferee, provided adequate documentation can be provided to establish date of purchase to Horus Vision as set forth above.

Exclusions

This Limited Warranty does not apply to: (a) damage caused by accident, abuse, misuse, negligence, general wear and tear, extreme temperatures, flood, fire, earthquake or other external or extraordinary causes; (b) damage caused by using or operating the Product outside the permitted or intended uses described by Horus Vision; (c) damage caused by the failure to properly install, maintain and operate the Product in accordance with Horus Vision's recommendations; (d) damage caused by service (including repairs and modifications) performed by anyone other than Horus

LIMITED WARRANTY (TRANSFERABLE)

Vision; (e) any Product that has been modified; (f) any Product that has had its serial number altered or removed; (g) the inability of Customer to use the Product; (h) cosmetic damage, including but not limited to scratches and dents; (i) any accessories such as lens caps, straps and cases; and (j) any batteries, or damage directly or indirectly caused by batteries.

Limitations

This Limited Warranty is given in lieu of all other warranties, express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. Horus Vision is not responsible for direct, indirect, special, general, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal or equitable theory, including but not limited to loss of use; loss of revenue; loss of actual or anticipated profits (including loss of profits on contracts); loss of the use of money; loss of anticipated savings; loss of business; loss of opportunity; loss of goodwill; loss of reputation; or any other indirect or consequential loss or damage howsoever caused. Please note that some states and countries do not allow the exclusion or limitation of certain types of damages or claims, so the foregoing limitations may not apply to every Customer. In states or countries where permissible, Horus Vision limits the duration of all implied warranties

to the period of this Limited Warranty.

General

This Limited Warranty grants specific legal rights. Customer may also have other rights which vary from state to state (or by country). This Limited Warranty may not be transferred by Customer, except as provided above. No person is authorized to make any modification, extension or addition to this Limited Warranty except an authorized agent of Horus Vision. If any term is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired. This Limited Warranty shall be governed by the laws of the State of Idaho, USA, without regard to any conflict of law provisions or the United Nations Convention on Contracts for the International Sale of Goods. Horus Vision reserves the right to discontinue manufacture of any Product or change Product materials, design or specifications without notice.

WARNINGS - LASER RANGEFINDER

Please read this entire manual prior to using this Laser Range Finder to ensure safe operation and to avoid potential injury. Please place these warnings where they are easily accessible.

Equipment packaging and waste products should be handled or recycled in accordance with all applicable laws and regulations.

Laser

FDA Safety

- This equipment contains an FDA Class I laser product in accordance with IEC 60825-1, as amended.
- These warnings comply with 21 CFR 1040.11 and 1040.11 for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.
- A Class I laser is considered non-hazardous with ordinary use. This hazard increases if the laser is viewed with optical aids, including magnifiers, binoculars, or telescopes, which may injure the eye.
- As with any laser device, it is not recommended to directly stare as the laser beam for extended periods of time.

- Caution: This equipment has no user controls, adjustments or procedures. Using the equipment other than as described herein may result in access to invisible laser light.

FCC Statement



- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna;
 - Increase the separation between the equipment and receiver;
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected;
 - Consult the dealer or an experienced radio/TV technician for help.

WARNINGS - LASER RANGEFINDER

- This equipment does not contain any user-serviceable parts. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's warranty and authority to operate this equipment under Part 15 regulations. Shielded interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.
- FCC ID: 2AQ86HOVR2000BT

California

-  WARNING: This product contains a chemical known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

Canada

- IC: _____

Miscellaneous

- Keep out of reach of children.
- Do not measure/range or look at the sun, doing so with this product may cause permanent eye injury.
- The internal components of the lens system can be permanently damaged when the lens is placed directly under the sunlight, even for a short period of time.
- Do not place the eyepiece under direct sunlight.
- Do not store or use this product in extreme temperature conditions. The temperature range for using or storing this product is 14 to 120 Fahrenheit.

Battery

- If handled improperly, the battery may cause leakage leading to equipment corrosion or clothing stain.
- The battery should be installed with the "+, -" poles in the right direction, as labeled.
- Remove the battery if it runs out or if not in use for a long time.
- Replace the battery with the same type of battery that came with the equipment.
- Do not cause the battery to come into contact with metal items such as keys or coins, as it may cause the battery to overheat or short circuit.

WARNINGS - LASER RANGEFINDER

- Do not charge the lithium battery or it may result in leakage or damage to the equipment.
- Do not store the lithium battery in extreme temperatures.

Disposal of Electric and Electronic Equipment



(Applicable in EU and other European countries with separate collection systems)

This equipment contains electric and/or electronic parts and must therefore not be disposed of as normal household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Alternatively, in some countries, you may be able to return your products to your local retailer upon purchase of an equivalent new product.

If the equipment contains exchangeable (rechargeable) batteries, these too must be removed before and properly disposed. Further information about the subject is available at your community administration, your local waste collection company, or in the store where you purchased this equipment.

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