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Bushnell Prime 1700

Bushnell Prime 1700 Laser Rangefinder User Manual

Model: Prime 1700 (LP1700SBF)

Introduction

The Bushnell Prime 1700 Laser Rangefinder is designed to provide accurate distance measurements for hunting and shooting applications. It features an all-glass optical system, an improved LCD display for brighter viewing, and Angle Range Compensation (ARC) technology for true distance calculations on sloped terrain. The device is also equipped with Bushnell's exclusive EXO Barrier Technology for enhanced lens protection.



Figure 1: Front view of the Bushnell Prime 1700 Laser Rangefinder, showcasing its robust design and optical lenses.

Setup

Battery Installation

The Prime 1700 operates on one CR2 lithium battery (included). To install or replace the battery:

1. Locate the battery compartment on the side of the rangefinder.
2. Twist the battery cap counter-clockwise to remove it.
3. Insert a new CR2 battery with the positive (+) terminal facing inward.
4. Replace the battery cap and twist clockwise until securely tightened.

Note: Ensure the battery is inserted with correct polarity to prevent damage to the unit.

Operating Instructions

Powering On and Off

- To power on, press the **Power/Fire** button (located on top). The LCD display will activate.
- The unit will automatically power off after 10 seconds of inactivity to conserve battery life.

Basic Ranging

- With the unit powered on, aim the reticle at your desired target.
- Press and release the **Power/Fire** button. The distance to the target will be displayed in yards or meters.
- For continuous scanning, press and hold the **Power/Fire** button while sweeping across multiple targets. The display will update distances continuously.

Understanding the Display (Vivid Display Reticle)



Figure 2: The Vivid Display Reticle provides essential information including battery status, angle, and measured distance.

The LCD display provides the following information:

- **Battery Indicator:** Shows remaining battery life.
- **Targeting Reticle:** The aiming point for measurement.
- **Angle Compensation (ARC) Icon:** Appears when ARC mode is active.
- **Angle Reading:** Displays the incline or decline angle in degrees.
- **Distance Reading:** Shows the measured distance to the target in yards (Y) or meters (M).

Mode Selection (ARC Technology)

The Prime 1700 features Angle Range Compensation (ARC) technology, which calculates the true horizontal distance to a target on sloped terrain. To cycle through modes:

1. With the unit powered on, press the **Mode** button (located on top, usually next to the Power/Fire button).
2. Each press will cycle through available modes:
    - **Regular Mode:** Displays line-of-sight distance.
    - **Bow Mode:** Displays angle and compensated horizontal distance (ARC). Indicated by a bow icon.
    - **Rifle Mode:** Provides holdover/bullet drop information (if configured, refer to advanced settings in full manual). Indicated by a rifle icon.
3. Select the desired mode for your application.

Maintenance

Cleaning the Lenses

The Prime 1700 features Bushnell's exclusive EXO Barrier coating on the external lens surfaces, which repels water, oil, fog, dust, and debris. To clean the lenses:

- Gently brush away any large dust or dirt particles with a soft lens brush.
- Use a clean microfiber lens cloth to wipe the lens surfaces.
- For stubborn smudges, apply a small amount of lens cleaning fluid to the cloth, not directly to the lens.
- Avoid using abrasive cloths, paper towels, or harsh chemicals, as these can damage the lens coatings.

Storage

When not in use, store the rangefinder in its protective carrying case in a cool, dry place. Remove the battery if the unit will not be used for an extended period to prevent battery leakage.

Troubleshooting

Problem	Possible Cause	Solution
No display when Power/Fire button is pressed.	Battery is dead or incorrectly installed.	Check battery polarity. Replace battery if necessary.
Rangefinder does not range.	Target is too close, too far, or not reflective enough. Obstruction in path.	Ensure target is within 5-1760 yards. Aim at a more reflective surface. Clear line of sight.
Inaccurate readings.	Lens is dirty. Environmental factors (fog, heavy rain).	Clean lenses. Readings may be affected by extreme weather.
Unit powers off unexpectedly.	Low battery. Automatic shut-off.	Replace battery. Unit will shut off after 10 seconds of inactivity.

Specifications



Figure 3: Physical dimensions and weight of the Bushnell Prime 1700 Laser Rangefinder.

Feature	Detail
Brand	Bushnell
Model Name	Prime 1700
Part Number	LP1700SBF
Measuring Range	5 - 1760 yards
Magnification Maximum	6x
Product Dimensions (L x W x H)	4.27" x 4.27" x 1.47" (10.84 cm x 10.84 cm x 3.73 cm)
Item Weight	Approx. 0.34 Kilograms (0.75 lbs)
Battery Type	CR2 Lithium (3V)

Feature	Detail
International Protection Rating	IP00
UPC	029757018984



Figure 4: Diagram illustrating the 100% glass optical system and larger objective lens of the Prime 1700.

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