The Bushnell® Ballistics App, is a companion app to use with your Bushnell® Scopes to calculate firing solutions. This app allows you to use current atmospherics to calculate the hold overs in your reticle using the AB Ultralite™ Engine. With this app you can build and modify gun profiles. You can build range cards and calculate firing solutions based on your scope and ammunition. The app has a multi-target function with 5 custom ranges. You can store up to 5 gun profiles. Range Cards can be emailed to yourself, or a friend. This app is free from Bushnell and works on both Android and iOS operating systems.

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**Operational Overview**

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**Features:**

The following lists the features found in the Bushnell® Ballistics App and gives a brief explanation of what they are/do. Greater detail along with directions for how to properly use all the features is given below in the instructional sections of this page.

- **Applied Ballistics Ultralite Engine**
- **AB Connect**
  - Bushnell Scope Library
  - Reticles
  - Multi-Target
  - Range Card
- **Range Card Email**
- **Gun Profile Management**
- **AB Library**
- **Atmosphere via Internet**
- **Inclination Angle**
- **Metric Support**

**AB Ultralite™** is an engine optimized for hunting and shooting to 800 meters or less. It accurately accounts for angled shots and all of the primary trajectory effects. Inputs are simplified to utilize the AB Library of G1 and G7 Ballistic Coefficients. Atmospherics are simplified to Temperature and Altitude which can be gathered from the closest weather station. This makes the AB Ultralite™ very easy to use and understand, requiring only limited inputs from the user.

This app features **AB Connect™**. A live library system which connects the apps bullet database to the real time data on the server in the AB Laboratory.

This app contains a library of over 150 Bushnell scopes.

This app contains a library of over 30 Bushnell Reticles.

The app allows the user to input 5 individual targets.

The app contains a customizable range card.

Users can email range cards to themselves or others.

Create and store up to 5 profiles.

Inside the app is the **AB Bullet Library** of hundreds of bullets. Independently tested in our lab for accuracy.

The app will use the devices location to pull environmental data from the nearest weather station at the users request.

The app is capable of correcting the firing solutions for uphill and downhill shooting.

Data inputs/output can be configured to use Metric units.
Operational Overview:
The general flow of the program is designed for quick access to functions you need. Up to 5 profiles are stored in the app. This allows you to make changes on the fly, or to load any profile quickly in the field. At any time during the use of this app, you can get help and information by pressing the help icon located in the upper right corner.

Settings:
The settings are accessed by pressing the settings button in the top right. From here you will set the units for each input/output as well as customize the range card. You can also see the current library version to make sure you are up to date on this screen. To change a setting tap in the corresponding orange box.

Solutions:
From the solution screen you have quick access to 4 functions. Reticle, Targets, Range Card, and Email Range Card. You can also change profiles from here by pressing where it says “Profile”. You can see the current scope and reticle at the top of the screen. Along with basic ammunition information for the currently selected profile:

Reticule, Targets, & Range Card

Reticule Display will draw the hold overs on the subtensions for the currently selected profile. Not only is elevation accounted for, but also the wind drift for your current profile.

The Targets screen allows you to put in a custom range for up to 5 targets. Firing solutions will then be generated based on the current profile and environmental data you have input.

The app will generate a range card with the current atmospherics and rifle profile data. You can customize the increments as well as start and stop range in the settings.
Email Range Card

You can email a range card with the current data to yourself, or anyone you want by clicking the email icon and typing the email address in.

Change Profiles

Changing profiles is as simple as clicking the profile icon and then selecting which profile you want to switch to.
**Gun & Bullet Profiles:**

You have the ability to create, & store up to 5 gun profiles with individual names. This section will cover Gun Management. Use the following steps for creating or editing:

1. **Profile Screen, click scope icon**
2. **Select Scope**
3. **Select Reticle**
4. **Click Bullet Icon**
5. **Select Caliber, Brand, Bullet.**
6. **Select Drag Curve**
7. **Input Gun Specs**
8. **Name Profile**

**Bullet Models:**
- Berger Target BT 0.254 10gr
- Berger Hunting VLD 0.254 10gr
- Berger Tactical AR Hybrid 0.254 10gr
- Berger Target VLD 0.254 10gr
- Berger Classic Hunter 0.254 10gr
- Berger Elite Hunter 0.254 140gr
- Berger Hunting VLD 0.254 140gr
- Berger Target Hybrid 0.254 140gr
- Berger Target LRBT 0.254 140gr
Environment:
The Bushnell Ballistics App powered by the Applied Ballistics® Ultralite™ Engine is capable of pulling atmospherics from local weather stations. Along with atmospherics it can use the phones sensors to acquire your elevation in order to correct barometric pressure to the proper station pressure for an accurate firing solution.

By clicking on the icons, the app will automatically populate the weather and altitude.

By clicking on Wind Clock Icon, you can get visual GUI assistance with correctly inputting the wind direction relative to the shooter.

Target:
The Bushnell Ballistics App powered by the Applied Ballistics® Ultralite™ Engine will correct your firing solution for inclination angle (Uphill and Downhill Shooting).

By clicking on Inclination Icon, the app will use the phones built in sensors to detect the angle to the target. You can also manually input the angle to the target.

Requirements:
- Android v5.0 or higher or iOS 7.0+
- Region and Carrier Limitations: This app is not approved for all regions and/or carriers in the world. Some carriers may choose to block this app due to the nature of its content.
  
  Not Required:
  - You do not need GPS, Internet, or Cell Service to run calculations.