



# ASTRA

THE OPTICS STANDARD

## OTX2400A Laser Rangefinder Quick Start Guide



### Specifications & Features

Magnification	6X
Objective Lens Diameter	21 mm
Close Focus	6 yards
Eye Relief	16 mm
Exit Pupil	3.5 mm
Field of View	31.50 ft. at 100 yds.
Water-Resistance Rating	IPX4 (Water-Resistant)
Lens Coating	Fully Multi Coated with Rain Repellent
Housing Material	Composite with Rubber Armoring
Dimensions	4"x 1.44"x 3.11"
Total Wt. (including battery)	4.25 oz.
Laser Type	905 nm Class 1 Eye-Safe
Display Type	Red Reflective OLED
Range Response Time	0.1 seconds
Battery Type	CR-2 3-volt Lithium
Battery Life	Approximately 10,000 Readings
Laser Range (Reflective)	6-2,400 yds.
Laser Range (Tree)	6-1,400 yds.
Laser Range (Deer)	6-950 yds.
Horizontal (Angle Corrected) Mode	Yes
Angle with Line of Sight Mode	Yes
Archery Mode	Yes
Gun Mode with Ballistics	Yes (Applied Ballistics Ultralight®)
Golf Mode	Yes
SCAN Mode	Yes
Bluetooth®	Yes

Download the full instruction manual at [www.astraoptix.com](http://www.astraoptix.com).  
For customer service support, email [Contact@astraoptix.com](mailto:Contact@astraoptix.com)



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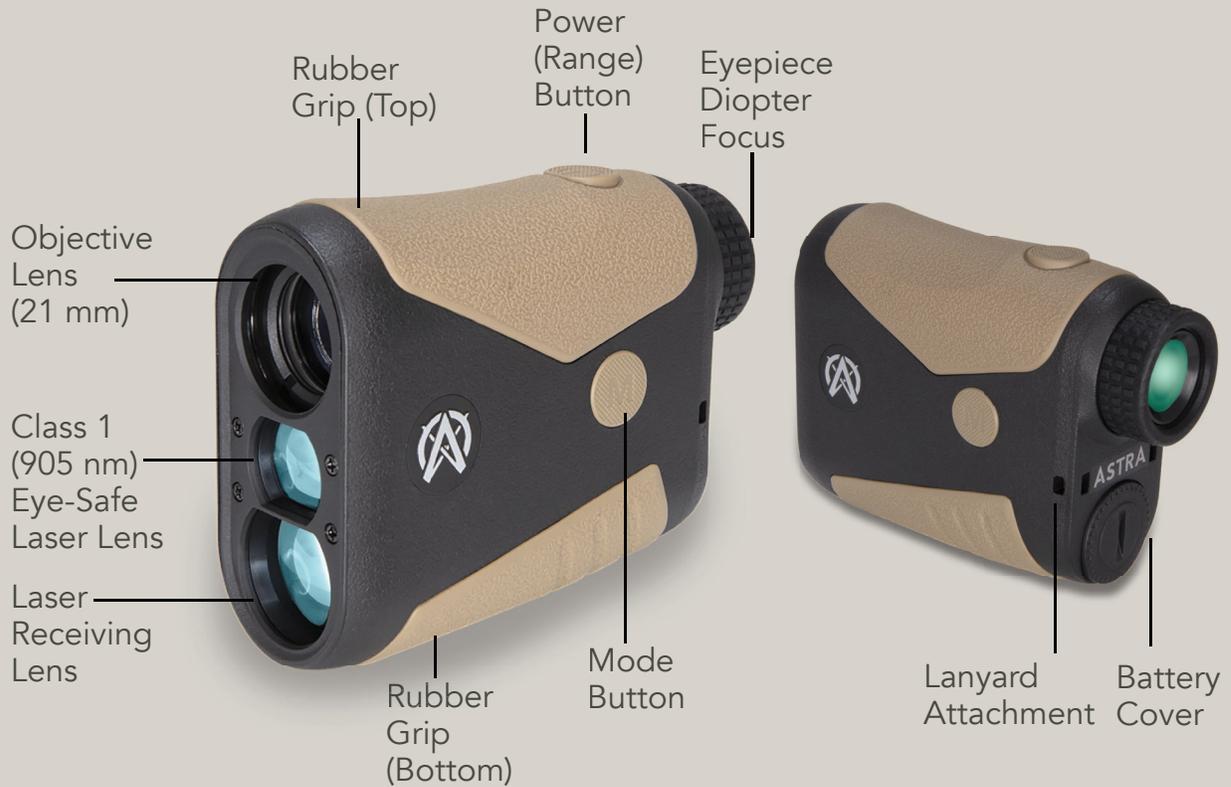
## What's in the Box?

- ◆ 6 Power x 21mm Laser Rangefinder Monocular
- ◆ Soft Premium Carry Case
- ◆ Microfiber Lens Cleaning Cloth
- ◆ Adjustable Neck-style Lanyard
- ◆ Astra Optix™ Decal Sticker
- ◆ CR-2 3-volt Lithium Battery (Battery Pre-Installed)
- ◆ Quick Start Guide

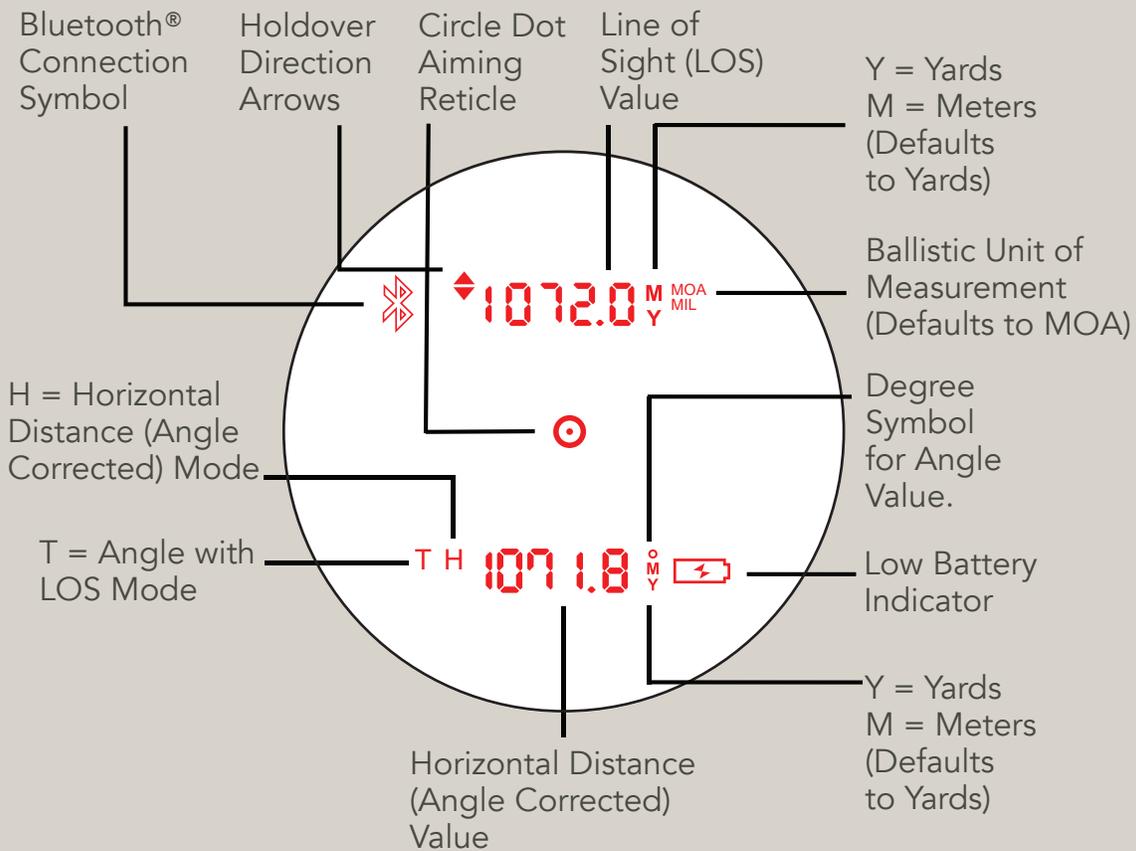


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# Your Rangefinder at a Glance



## Red Reflective OLED



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## Quick Start

**1. Connect the Battery:** Open the **Battery Cover** and remove the plastic insert from the top of the battery.



**2. Turn on unit and Adjust Eyepiece Diopter Focus:** Press the **Power (Range) Button** to turn on the rangefinder **Red Reflective OLED** display.

Turn the **Eyepiece Diopter Focus** until both the image in the field of view and **Aiming Reticle** are clear and focused.

Press the  
**Power Button**



**Rotate Eyepiece**



**3. Adjusting the Red OLED Display Brightness:** Hold the **Mode Button** to enter the menu setting, Press the **Power Button** to cycle between 5 different brightness levels. Press the **Mode Button** to select.

**Brightness Setting**



- ◆ 1 = Lowest brightness setting
- ◆ 5 = Highest brightness setting

**NOTE:** For some Astra Optix models, the display brightness setting is the last item in the menu. If the brightness setting is not the first item in the menu, then press the **Mode Button** to advance through all the menu items until you see the brightness setting.



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**4. Measuring Distance:** Aim the **Aiming Reticle** on the object you want to range and press the **Power Button** to display the distance. Your unit factory default setting is the **Horizontal (Angle Corrected) Mode**.

The Line of Sight (LOS) value is displayed at the top of the display for 2 seconds.



The angle-corrected Horizontal Distance (**H**) value is displayed at the bottom of the display for up to 8 seconds or until you take a new measurement.



## 5. Menu Settings - Button Operation Summary

Press Power Button to turn on and to measure the distance.

Press Power Button to cycle between menu items when in the menu.

Hold Power Button to SCAN.



Press Mode Button to confirm selections in the menu.

Hold Mode Button to enter menu.

Hold Mode Button to exit menu.



## Quick Start

### 5.1. Menu Settings - Menu Operation Summary

- ◆ Brightness Setting  
- 1 thru 5
- ◆ Distance Units Selection  
- Y / M
- ◆ Standard Mode (Std)
  - Horizontal (Angle Corrected) with Line of Sight
  - Angle with Line of Sight
  - OFF (Only Line of Sight)
- ◆ Archery Mode (ArCH)
- ◆ Golf Mode (GOLF)
- ◆ Gun Mode with Ballistics
  - abi (Applied Ballistics® Internal)
  - abe (Applied Ballistics® External)
  - Bullet Drop Units Selection:  
MOA OR MIL (Milliradians)

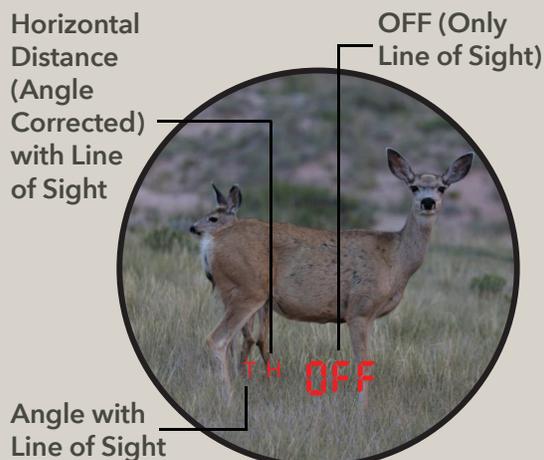
**5.2. Yards & Meters Selection:** In the menu press the **Power (Range) Button** to cycle between Yards (Y) and Meters (M) . Press the **Mode Button** to select.



**5.3. Select the Operation Mode:** Press the **Power Button** to cycle between **Standard Mode (Std)**, **Archery Mode (ArCH)**, **Golf Mode** or **Gun Mode**. When the selection you want to use is blinking, press the **Mode Button** to select your preferred mode.



**5.4. Sub-Modes under Standard Mode:** Press the **Power Button** to cycle between each sub-mode. Press the **Mode Button** to select.





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### 5.5. Gun Mode with Ballistics Selection:

◆ **Applied Ballistics® Operation Mode:**  
First select **Gun** mode. Next, choose between **ABI (Applied Ballistics® Internal Mode)** or **ABE (Applied Ballistics® External Mode)**.

Use **ABI** mode to calculate and display your ballistics solutions using your rangefinder's internal Applied Ballistics Ultralight® solver.

Use **ABE** mode if you are using an external Applied Ballistics® equipped Kestrel® Weather Meter or Garmin® Watch (not included) to provide the ballistics solutions to your rangefinder.

Press the **Power Button** to cycle through these selections and press the **Mode Button** to select.

◆ **Holdover Units Selection:** MOA or MIL - Press the **Power Button** to cycle through these selections and press the **Mode Button** to select.





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### 5.6. How to set up your rangefinder with the Applied Ballistics® Phone App:

◆ **Download the App:**  
Download the App from the Apple App Store or Google Play (if Android device). Search for the “**AB Synapse - SORD**” App in the App store as shown below.

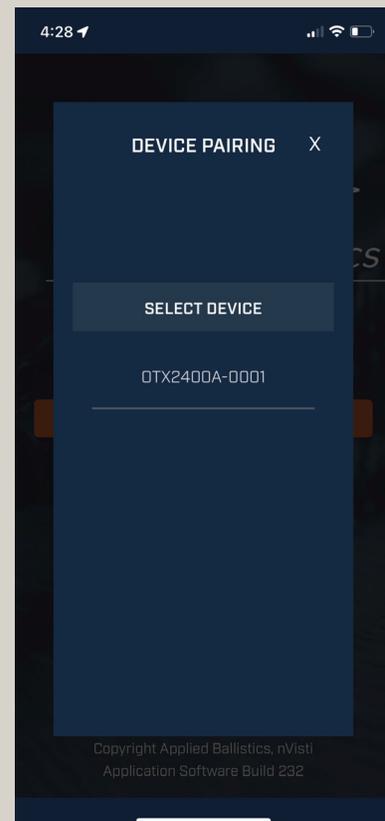
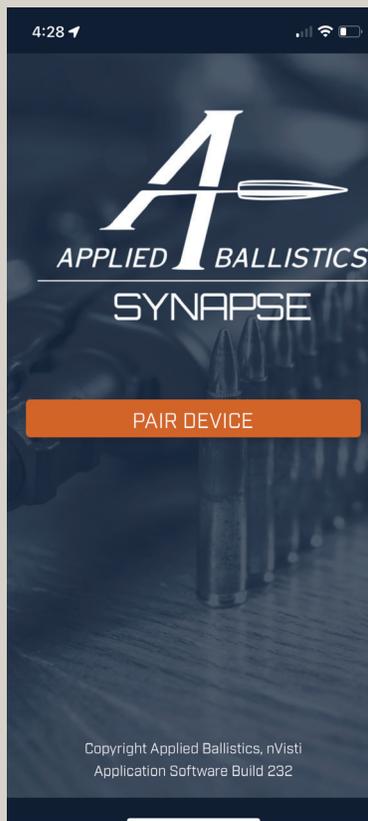
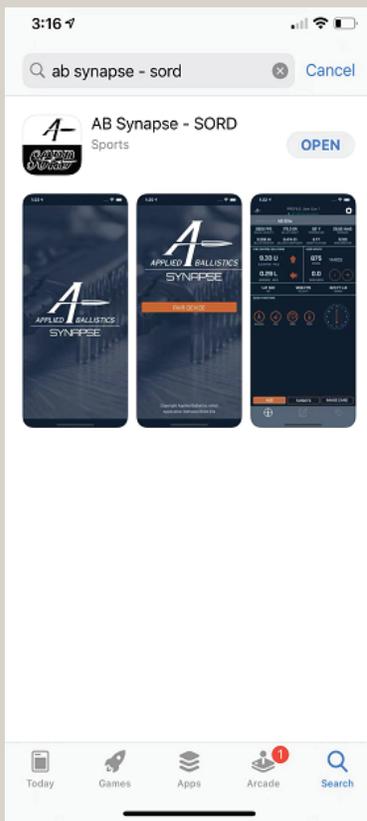
Next download the App and install the App.

Open the “**SORD**” App on your phone.

◆ **Pair the Rangefinder Device with the App:**  
The Applied Ballistics® start-up screen will appear. Press the power button to turn on your rangefinder, and press **PAIR DEVICE**.

**NOTE:** Turn on your phone’s Bluetooth in your iOS or Android phone **Settings** menu if it is not turned on.

◆ **Pair the Rangefinder Device with the App:**  
The device name in this example: OTX2400A-0001 will appear just below “**Select Device.**” Press on the device name, and it will display a message: “**Connecting to OTX2400A-0001.**”



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## Quick Start

### 5.6. How to set up your rangefinder with the Applied Ballistics® Phone App:

#### ◆ Pair the Rangefinder Device with the App:

Look in your rangefinder at the same time as it is connecting. A 2-digit pin code will appear. Enter the pin number in the space as shown.

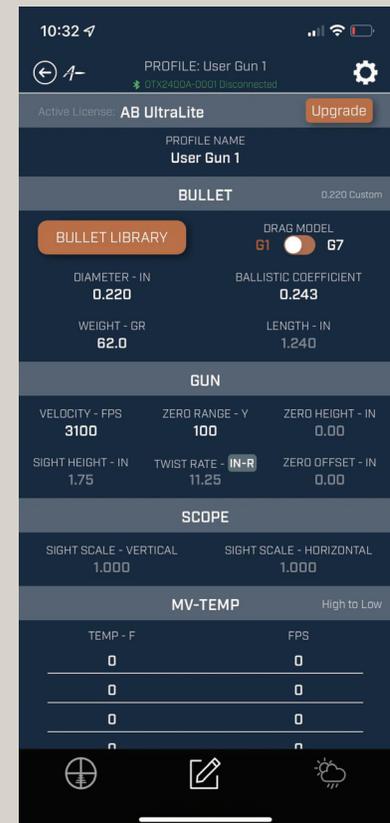
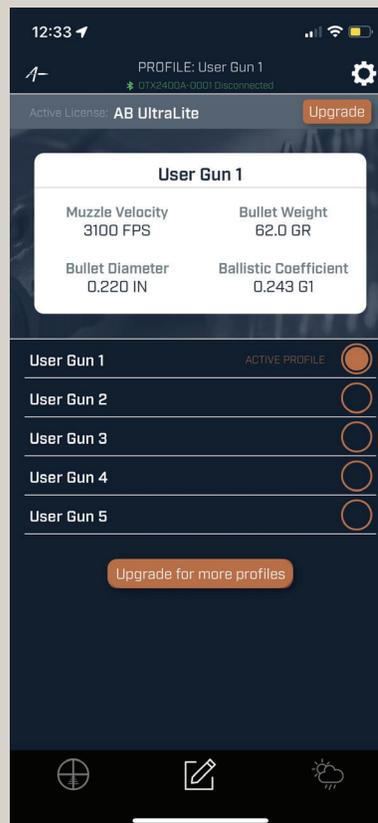
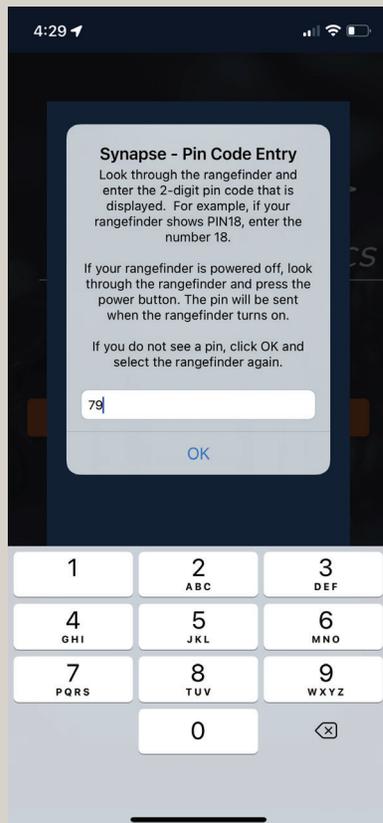
**Note:** After 6 seconds, the Pin number will disappear. Press on the device name again to display the pin number in the rangefinder.

#### ◆ Setting up in the App - Set up your 5 most often used load profiles:

Click the edit icon  to set up up to 5 different load profiles.

#### ◆ Setting up in the App - Choose your 5 most often used load profiles:

Choose the “**Bullet Library**” to locate your ammunition and/or you can manually enter your bullet’s ballistics information directly into the App.





## Quick Start

### 5.6. How to set up your rangefinder with the Applied Ballistics® Phone App:

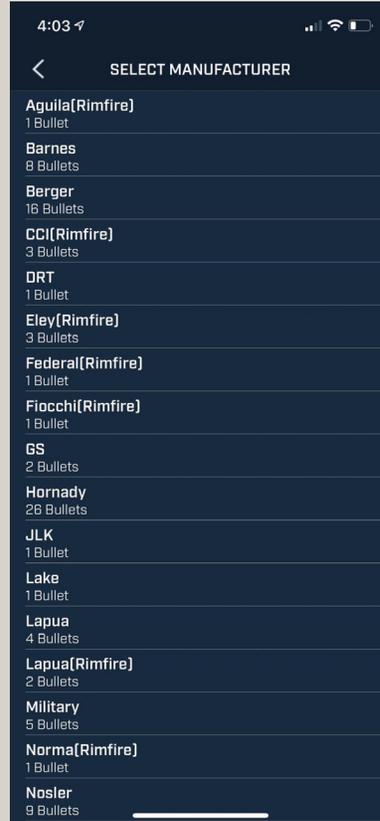
◆ Setting up in the App - Choose your 5 most often used load profiles:

Select the **Caliber**.



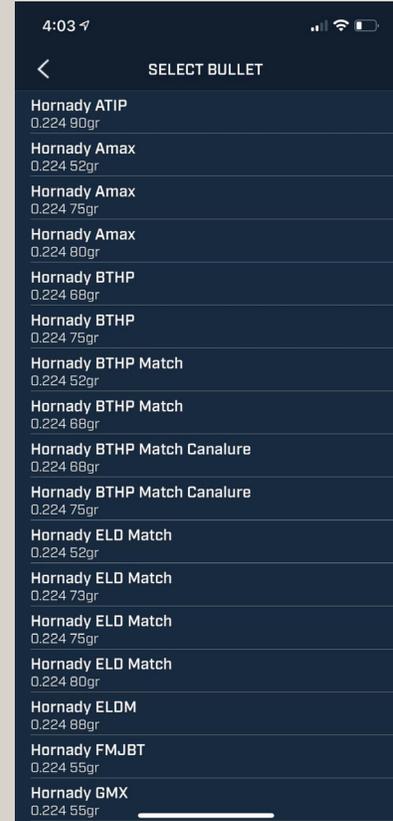
◆ Setting up in the App - Choose your 5 most often used load profiles:

Select the **Manufacturer**.



◆ Setting up in the App - Choose your 5 most often used load profiles:

Select the **Bullet**.





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### 5.6. How to set up your rangefinder with the Applied Ballistics® Phone App:

◆ **Setting up in the App - Choose your 5 most often used load profiles:**

Select your **Drag Model (G1 or G7)**.

Repeat these steps to set up each load profile. Set up to 5 different profiles.

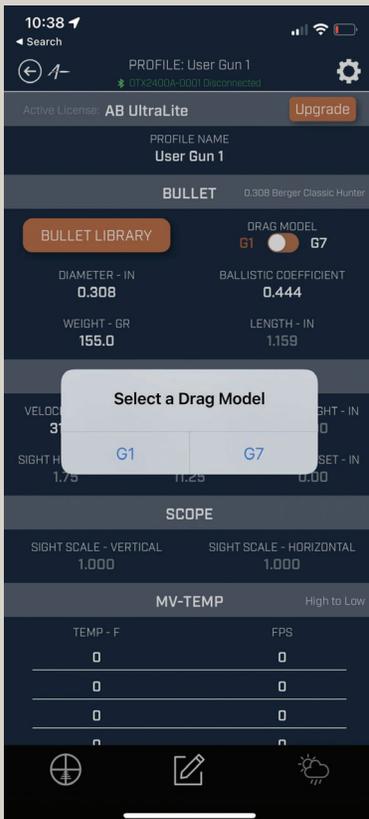
◆ **Setting up in the App - Select active profile:**

Select one of the 5 available profiles to be the active profile that will be stored in your rangefinder.

**Note:** Your phone and your App do not need to be on to obtain the ballistics solutions for the active profile saved in your rangefinder.

◆ **Setting up in the App - Go back to your HUD screen:**

Now, you can start using your rangefinder to measure distances and to see the ballistics adjustments both in your laser rangefinder display or on your App as shown below.





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## Tips for Using Your Rangefinder

- ◆ Your laser rangefinder comes defaulted to the **Horizontal (Angle Corrected) with Line of Sight** distance mode. For archery or shooting, this mode will give you the angle-corrected shoot-at distance to use. For Archery only, use the **Archery Mode (ArCH)**.
- ◆ If you turn off your rangefinder, it will keep the last settings used.
- ◆ This rangefinder also has **Angle with Line of Sight** mode. In this mode, it will display the **Line of Sight (LOS)** value for 2 seconds at the top of the display followed by the **Angle** value at the bottom of the screen. Shooters can use this information to manually calculate long range holdover using a ballistics calculator.
- ◆ If using this rangefinder on the golf course, choose the **Golf Mode (GOLF)**. The **Golf Mode** will display the nearest distance value (Golf Flagstick) of a group of targets that are within your field of view.
- ◆ Under ideal conditions, your Astra Optix™ Laser Rangefinder can measure the distance of reflective objects out to 2,400 yds. It can also measure a deer out to 950 yds. The type of target you are ranging strongly impacts the maximum ranging distance.
- ◆ Shiny reflective objects such as metal buildings will range much better than less-reflective objects such as trees, animal fur, bushes or grass. Objects that are more dense, such as trees or rock, will range better than bushes or grass. Bright-colored objects normally range better than dark-colored objects. Rain, fog, snow, bright sunny days and dusty days will all reduce the overall ranging performance. Cloudy days without fog, and without snow, rain or dust blowing in the air provide the best ranging conditions. Targets that have a flat surface 90° to the laser emitting from the laser rangefinder range better than targets that have a curved surface, or are positioned at an angle in relation to the emitted laser.
- ◆ **IMPORTANT:** The embedded Applied Ballistics® solver in your rangefinder will calculate windage and elevation adjustment values up to 875 yards when in the **ABI (Applied Ballistics® Internal Mode)**. To take longer-range shots at distances over 875 yards, press the “Upgrade” button in your App to upgrade to either the **Applied Ballistics® Sportsman®** solver (up to 1,750 yards) or the **Applied Ballistics® Elite®** solver (up to 5,500 yards). \*The **Elite®** solver max yardage is limited by your Astra Optix OTX-2400A rangefinder’s maximum distance of 1,760 yards. If you already have an **Applied Ballistics® Elite®** solver equipped external device, then you can use the **ABE (Applied Ballistics® External Mode)** and the external device will provide the ballistics solutions to the rangefinder.



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## Register your Product

Please register your product to activate our **Handshake Warranty** online at [www.astraoptix.com](http://www.astraoptix.com) so it is covered in case anything happens to your product.



Scan our warranty QR code to go directly to our Handshake Warranty registration page.



Like us on Facebook to see the latest news for our Astra Optix rangefinders!



Follow us on Instagram to see our product photos and videos.



Subscribe to our YouTube channel to have a chance for promotions and giveaways.

## Warning

- ◆ Do not look directly at the sun with your rangefinder, as it could cause serious damage to your eyes.
- ◆ Do not aim the rangefinder at a person's eyes and do not look into the objective-lens side of the product when you are pressing the power button.
- ◆ Keep out of reach of small children.
- ◆ Only use a CR2 3-volt battery and do not use any outside power source.
- ◆ The Gun mode displayed ballistics adjustment values and displayed elevation adjustment values are accurate from 15 to 875 yards. If shooting at distances farther than 875 yards, we suggest upgrading to the Applied Ballistics Sportsman solver or using the **Angle with Line of Sight** mode. Shooters can use the **Line of Sight** distance value and the **Angle** value information to calculate holdover using a ballistics calculator.
- ◆ Do not attempt to open or take apart your laser rangefinder, as this will void your lifetime warranty, may damage your product and could cause electric shock.
- ◆ Class 1 Laser Product. Product complies with IEC60825-1: Ed. 3: 2014-05 and 21CFR1040. 10/11.

## We are here to help!

Don't hesitate to reach out to us if you have any questions or concerns about your product. On behalf of the Astra Optix family, we want to thank you for your purchase and support.



