TANGOINNOS

FIRE4000

RANGEFINDER

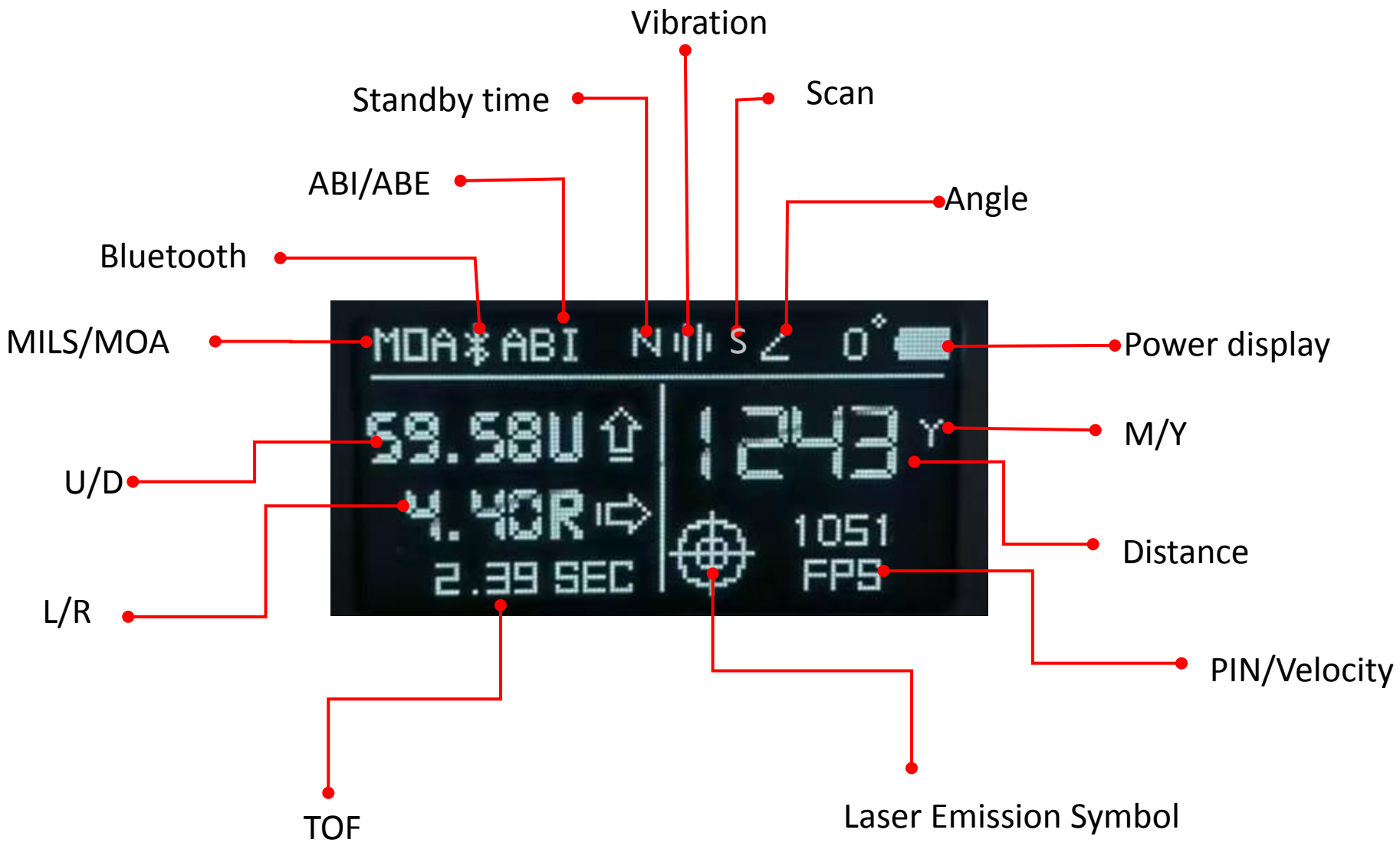
APPLIED BALLISTICS
THE SCIENCE OF ACCURACY

Thank you for purchasing TANGOINNOS products

Product standard configuration: host, manual, wire control switch, adjusting wrench, reflective sticker, lens cloth, cable tie, seamless adhesive strip, desiccant

Product Specifications	
Technical Data	Performance Parameter
Model	FIRE 4000
Measuring Range	4000 yards (Highly reflective target)
Range for Tree	1500 yards (tree)
Range for Animal	1200 yards (animal)
Range of Blind Spot	4 yards (blind spot)
Laser type	Class 1
Measurement Accuracy	±1
Angle Measuring Accuracy	±0.5°
Angle Range	±90°
Communication method	Bluetooth
Wavelength	905nm (laser class 1)
Launching caliber	18mm
Receiving caliber	18mm
Divergence angle	2mrad
Battery	CR123A, 3V
Waterproof	IP67
Operating Temperature	-10℃-50℃
Distance display increment	1M/YD
Laser Pulse Duration	10-100ns
Dimensions	111x75x47mm
Product Weight	420g
Automatic turn off time	3, 10, 15 minutes and non stop

Display content



Key description

U/D Adjust

Visible light

Vibration/Standby time

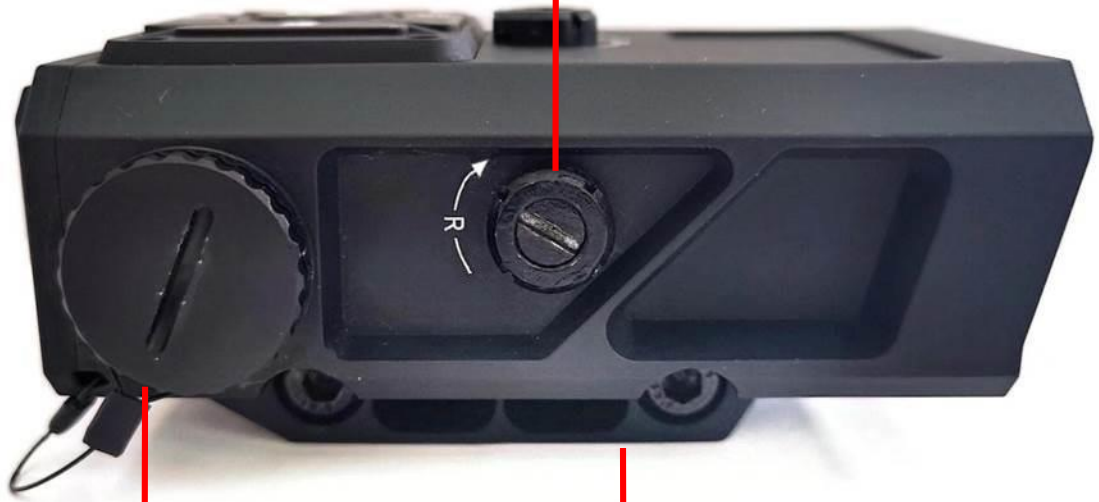
M/Y/ABI/ABE

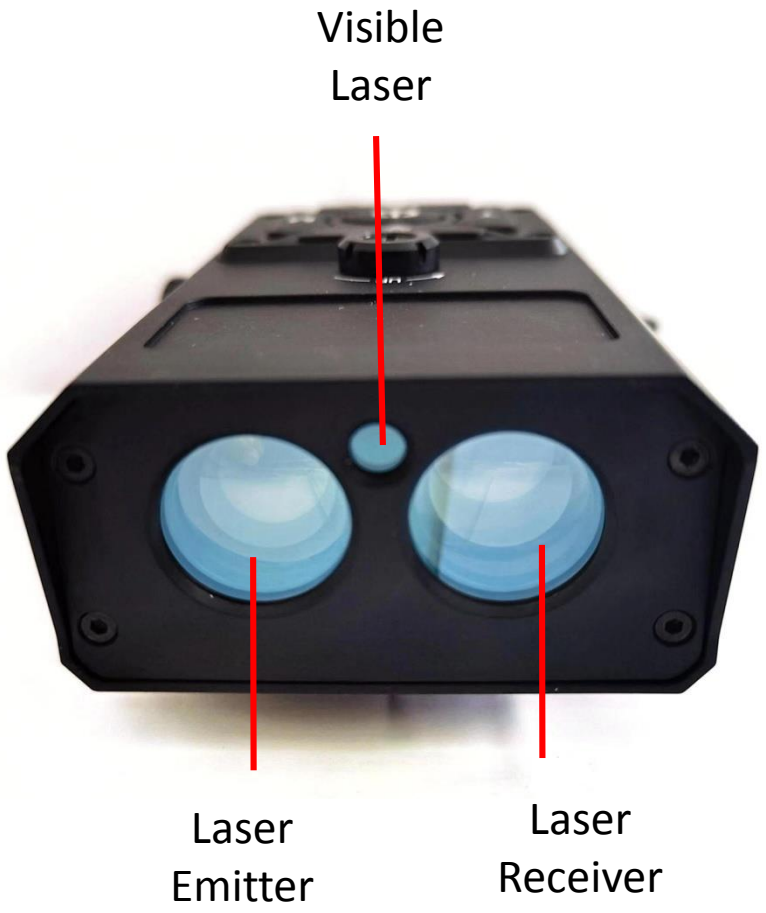
Screen brightness/Direction

On/Off/Measure

Wire control buttons

Structure specification





Structure specification

Wire connection interface

Install the aviation plug in the direction indicated by the plug as shown in the picture！ ！ ！

Structure specification

Install the aviation plug in the direction indicated by the plug as shown in the picture. Please find the correct direction of the pins and the holes !!!

Download APP

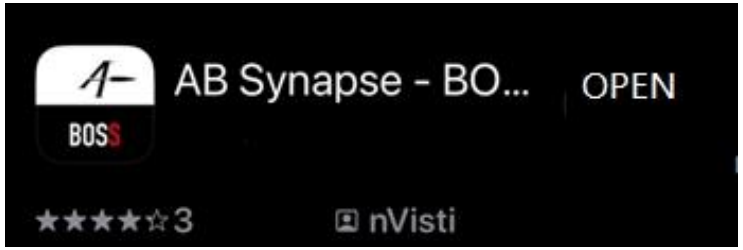
1. Download APP

Apple user searches for “**AB Synapse-BOSS**" in the App Store and downloads the installation, as shown in Figure 1

Android users can search for “**AB Synapse-BOSS**" in Google Play to download and install, as shown in Figure 1 after successful installation.

ANDROID APP ON Google play

Download on the App Store



2.BOSS App connect to the ballistic rangefinder

Power on the ballistic computer : Long press the switch button  for 2 seconds

1) When the product is on, click the BOSS App to enter the interface as shown in Figure 2,
2) select "I accept the agreement", click "Accept" to enter the interface as shown in Figure 3,
3) Access the location information and select "Allow" to enter the interface as shown in Figure 4
4) Click "PAIR DEVICE" to enter the interface as shown in Figure 5
5) Click "LRF-0000" to enter the matching interface as shown in Figure 6,
6) "PIN code" appears at the lower right corner of the product and "34 PIN" is displayed as shown in Figure 7
7) Input two digits into the APP as shown in Figure 8
8) Click "OK" to enter the interface as shown in Figure 9, and click "CONTINUE" to enter the interface as shown in Figure 10, indicating that the connection is successful.

BOSS App connect to the ballistic rangefinder

Figure 1

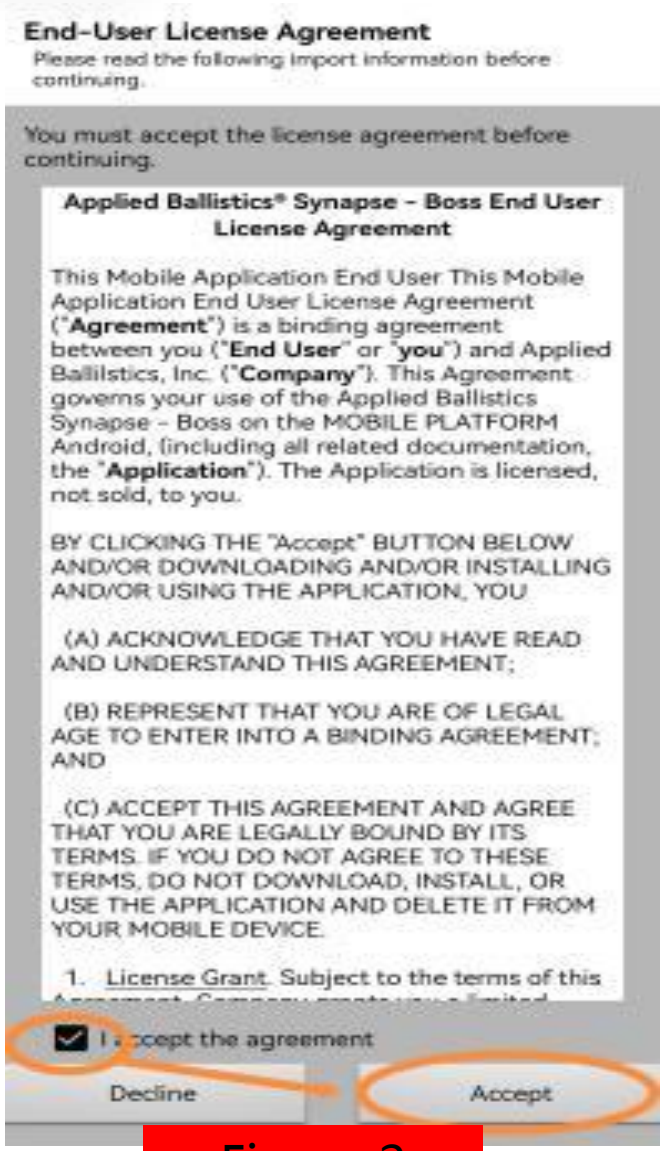


Figure 2

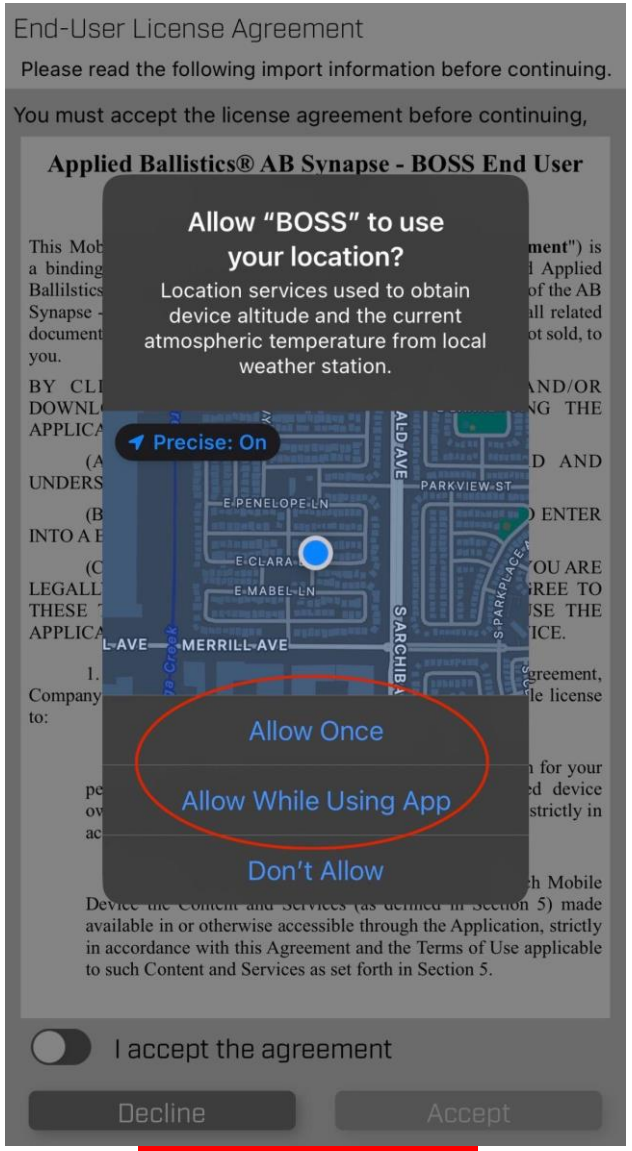


Figure 3

BOSS App connect to the ballistic rangefinder

Figure 4

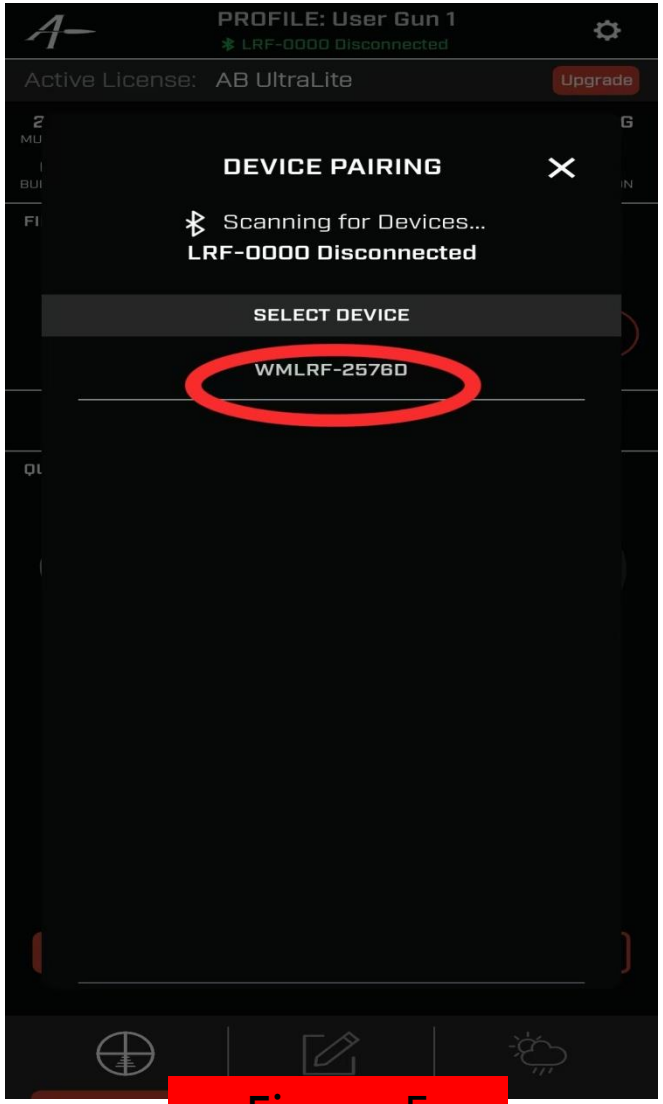


Figure 5

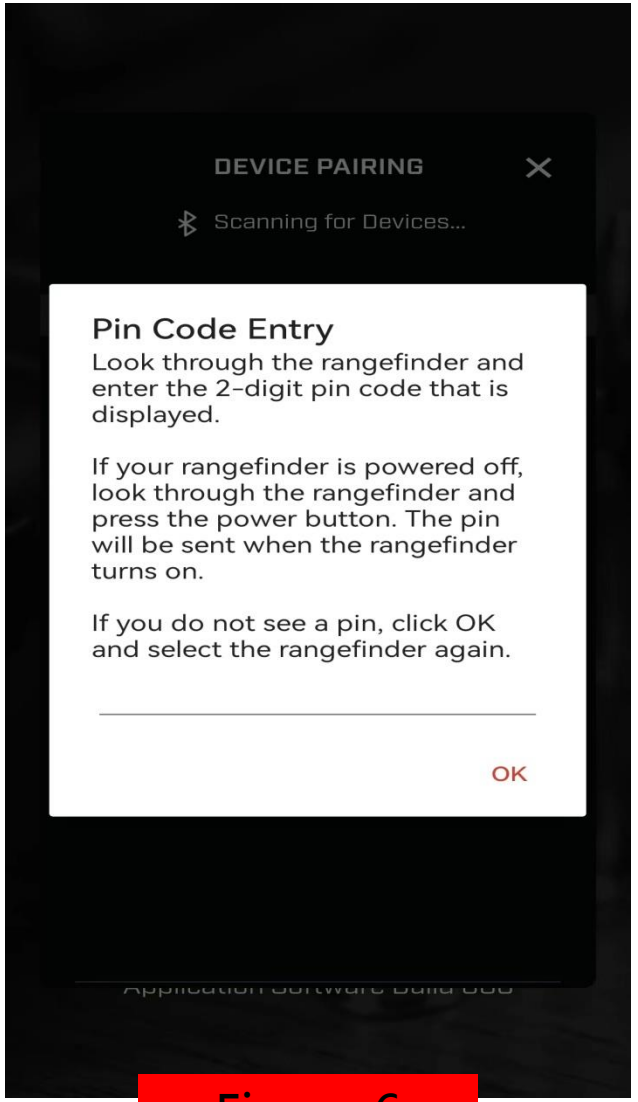


Figure 6

BOSS App connect to the ballistic rangefinder

Figure 7

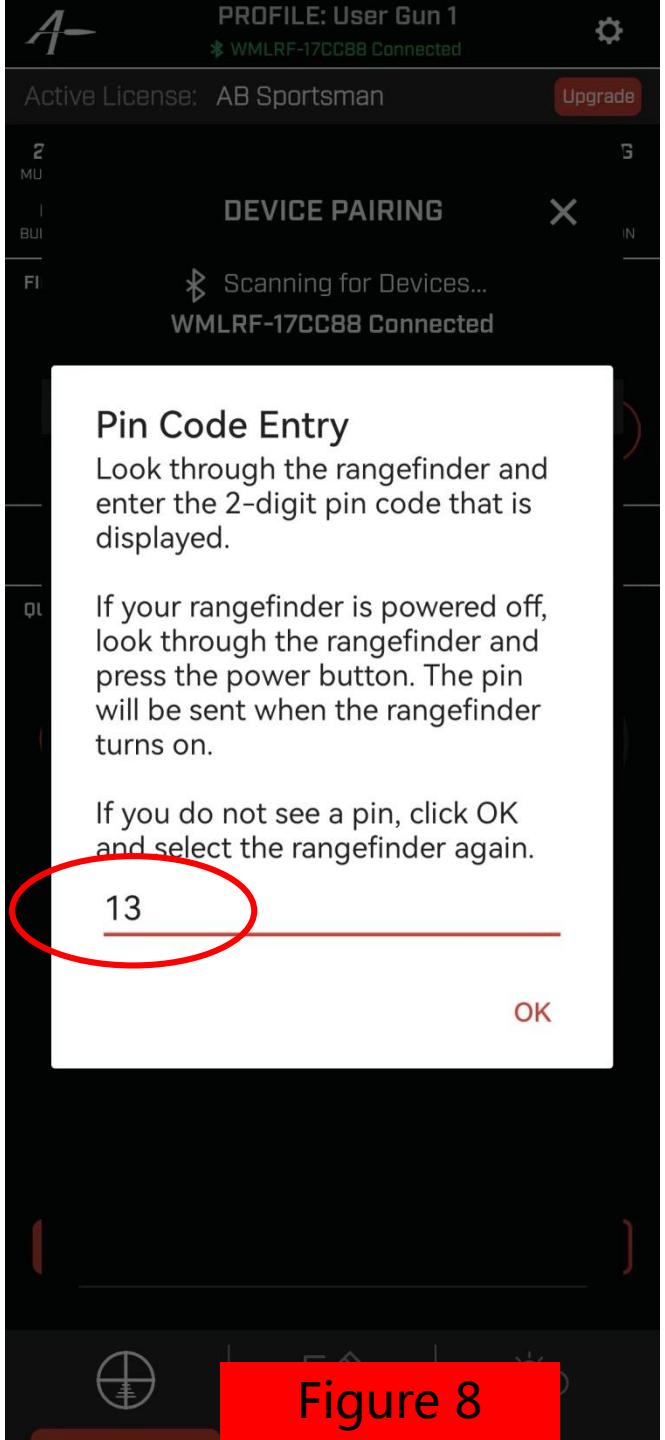


Figure 8

BOSS App connect to the ballistic rangefinder

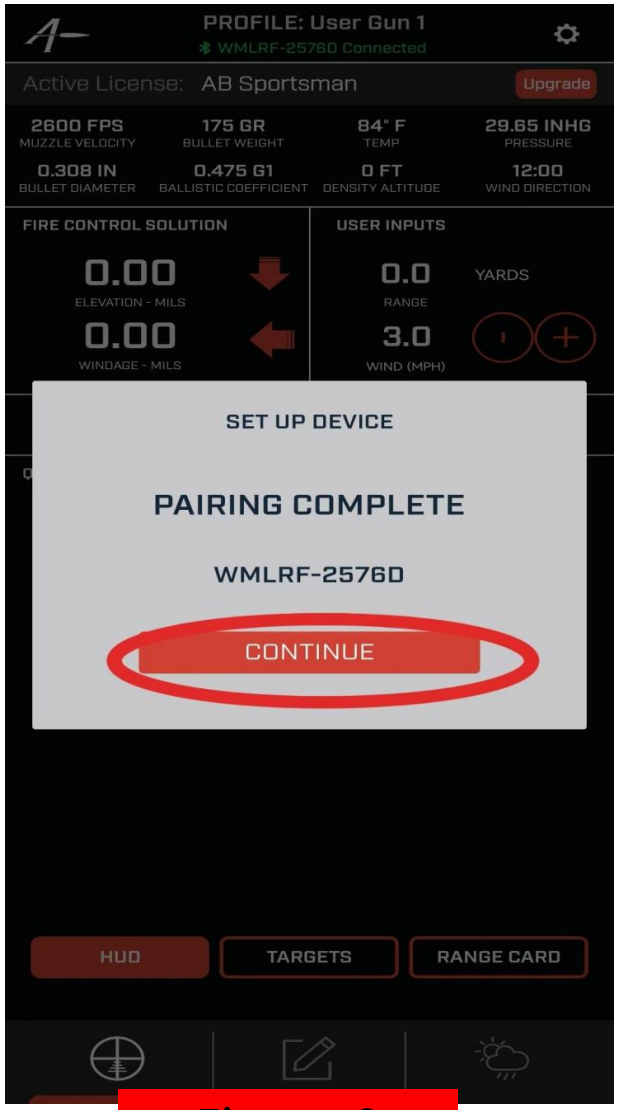


Figure 9

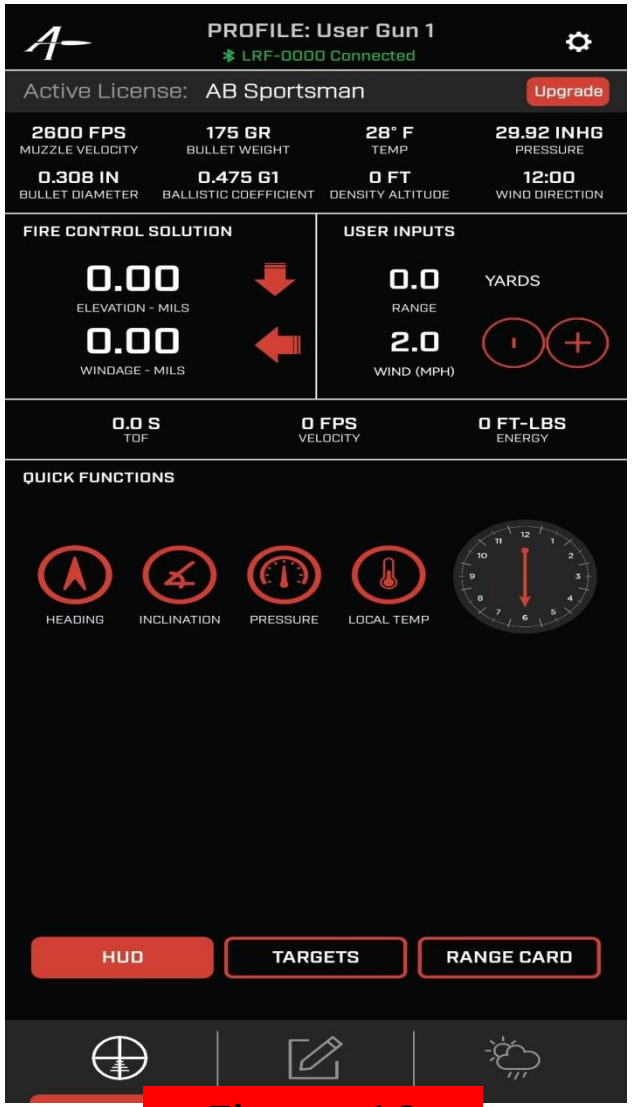


Figure 10

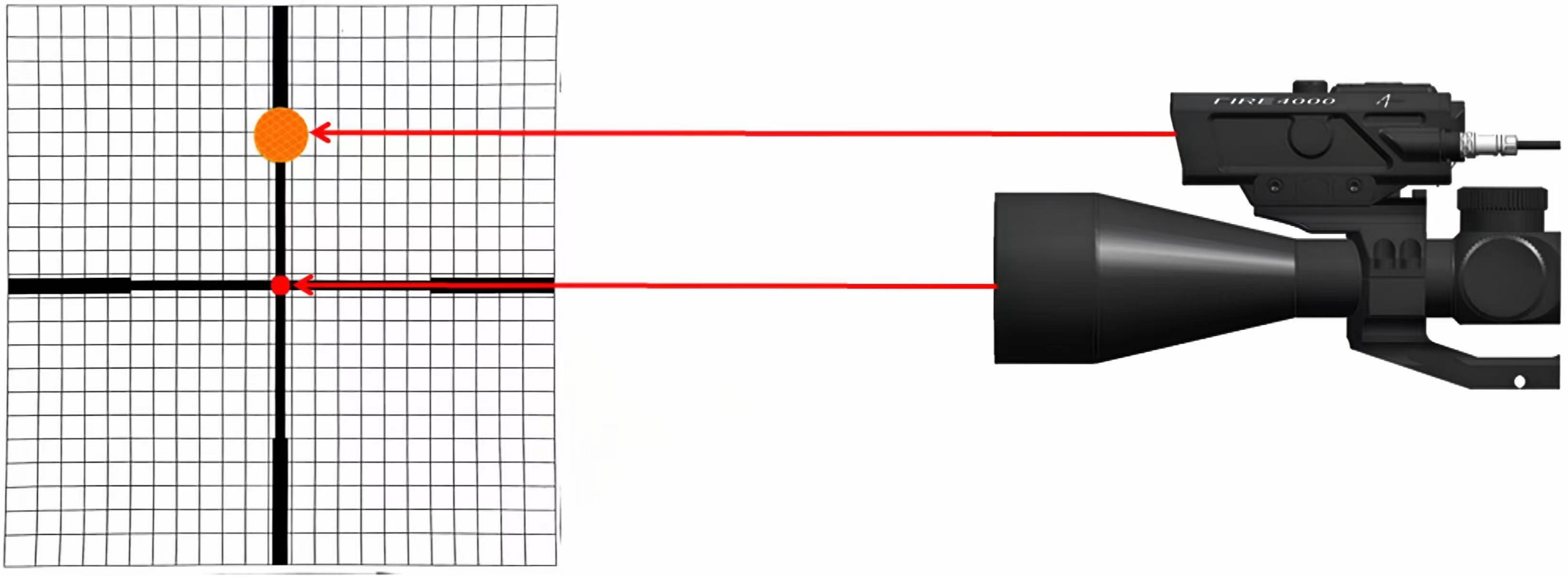
Key operation instructions

Operation instruction

1. It is recommended to zero the sight at 100 yards
2. Install ballistic computer after sight zero
3. Measure the distance from the center of the scope to the center of the red, and paste a circular sticker
4. Attach the target paper to the 100-meter target
5. Align the cross of the scope with the cross of the target paper
6. Adjust the trajectory computer to align the red laser point with the center of the circular high-reflection sticker on the target paper.

3. Measure the distance from the center of the scope to the center of the red laser, and paste a circular sticker

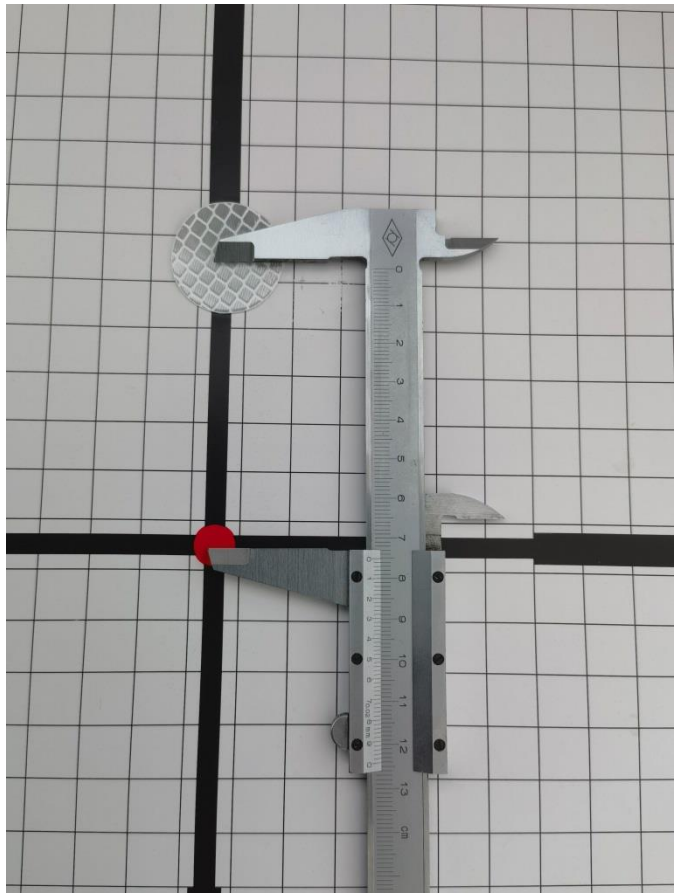
The customer measures the height according to the mounted scope, such as this 4-16X50 ,
The height is 75mm .

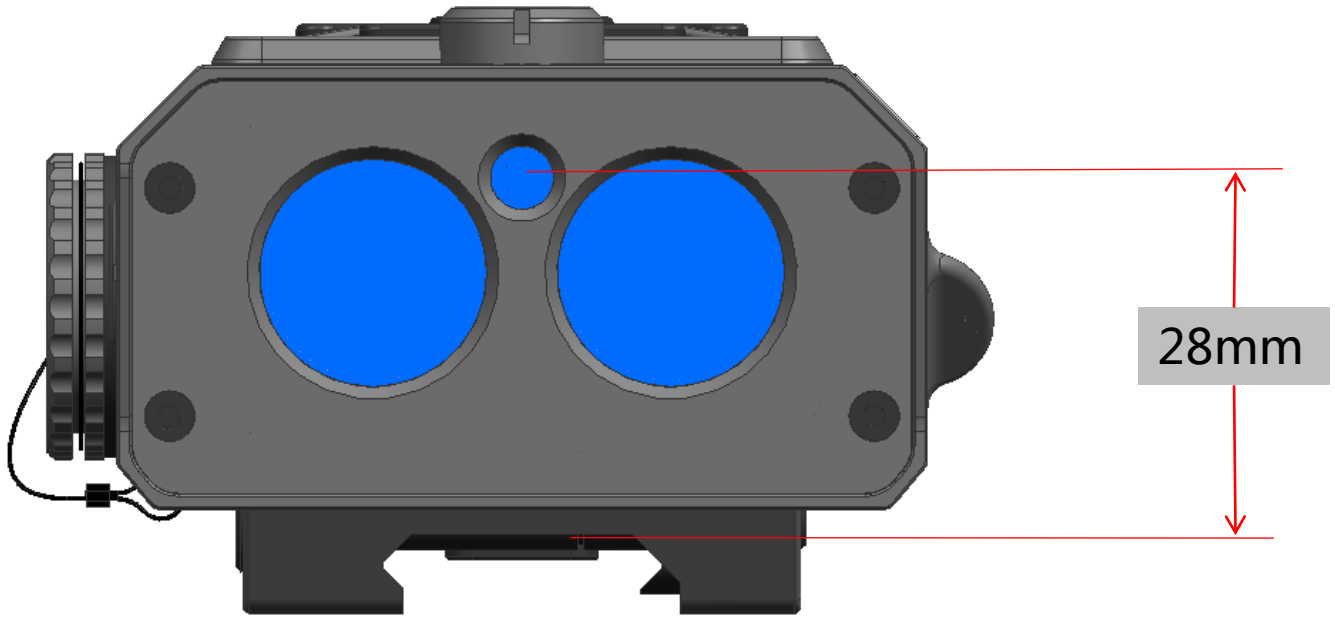


Stick round reflective stickers

Measure the corresponding height on the target paper and attach a circular reflective sticker

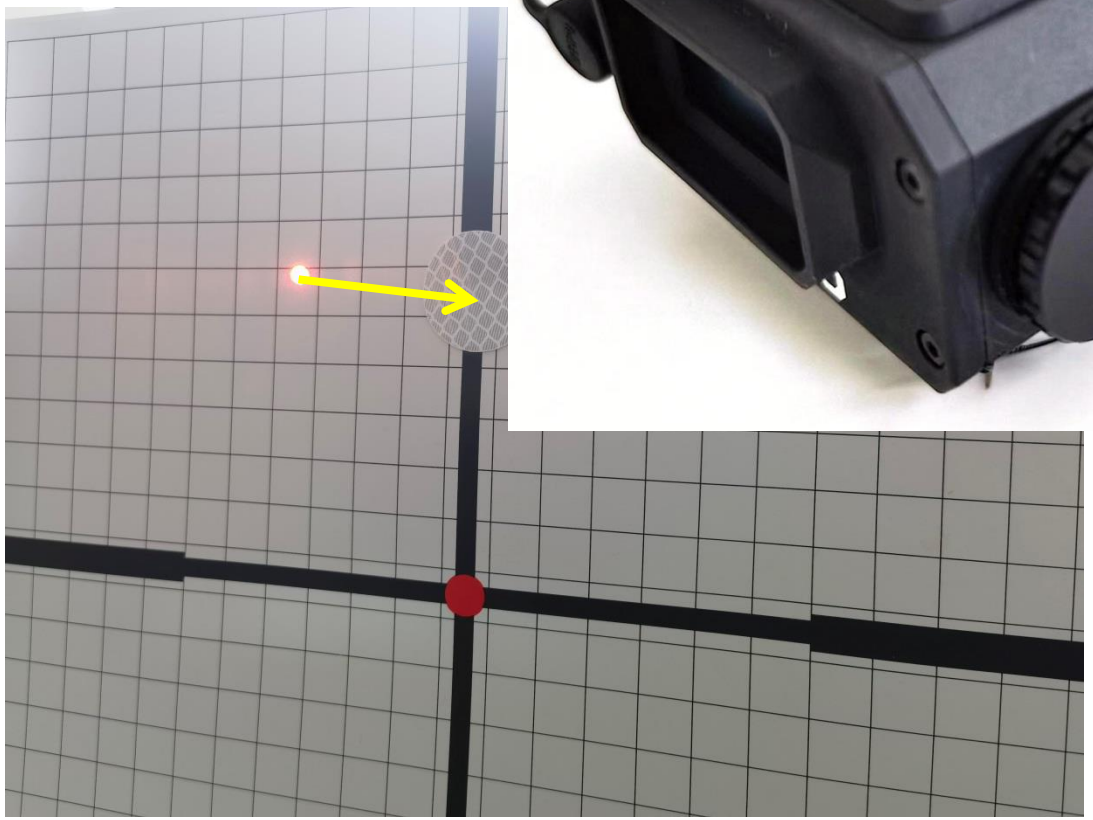
Note: Different scopes have different heights！

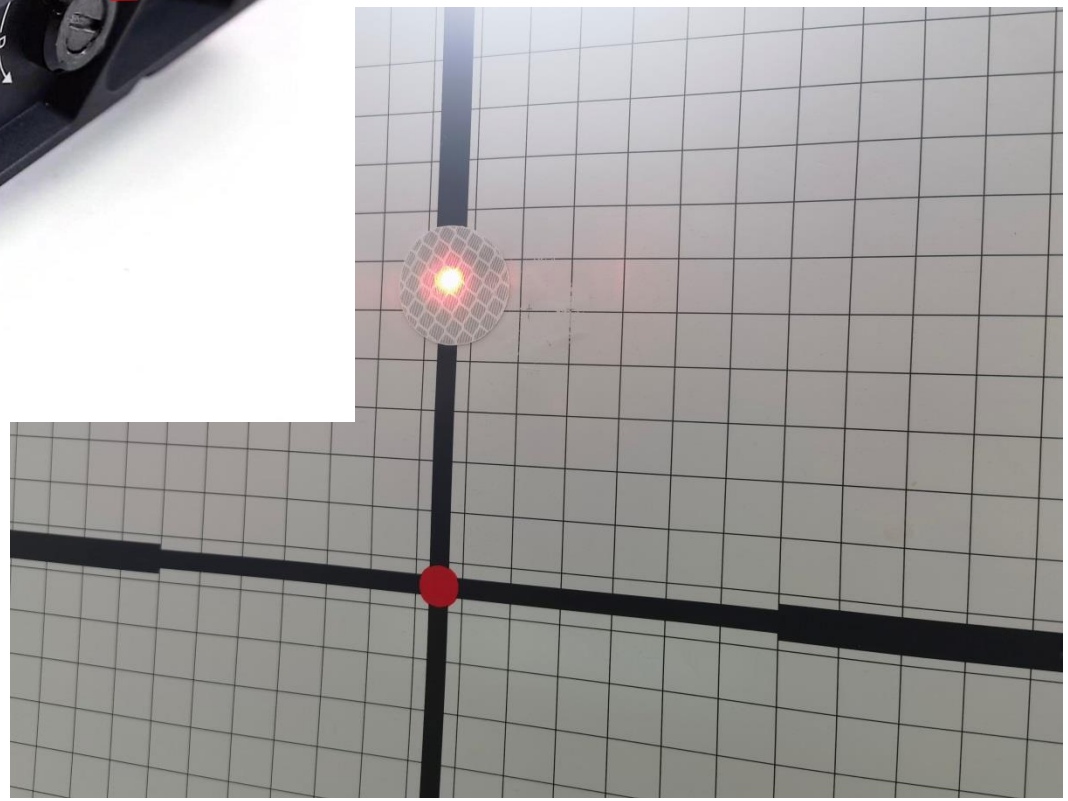




Red laser adjust

By adjusting the up and down ，left and right adjustment wheels of the ballistic computer, the position of the red visible laser is changed to make it coincide with the highly reflective circular target paper

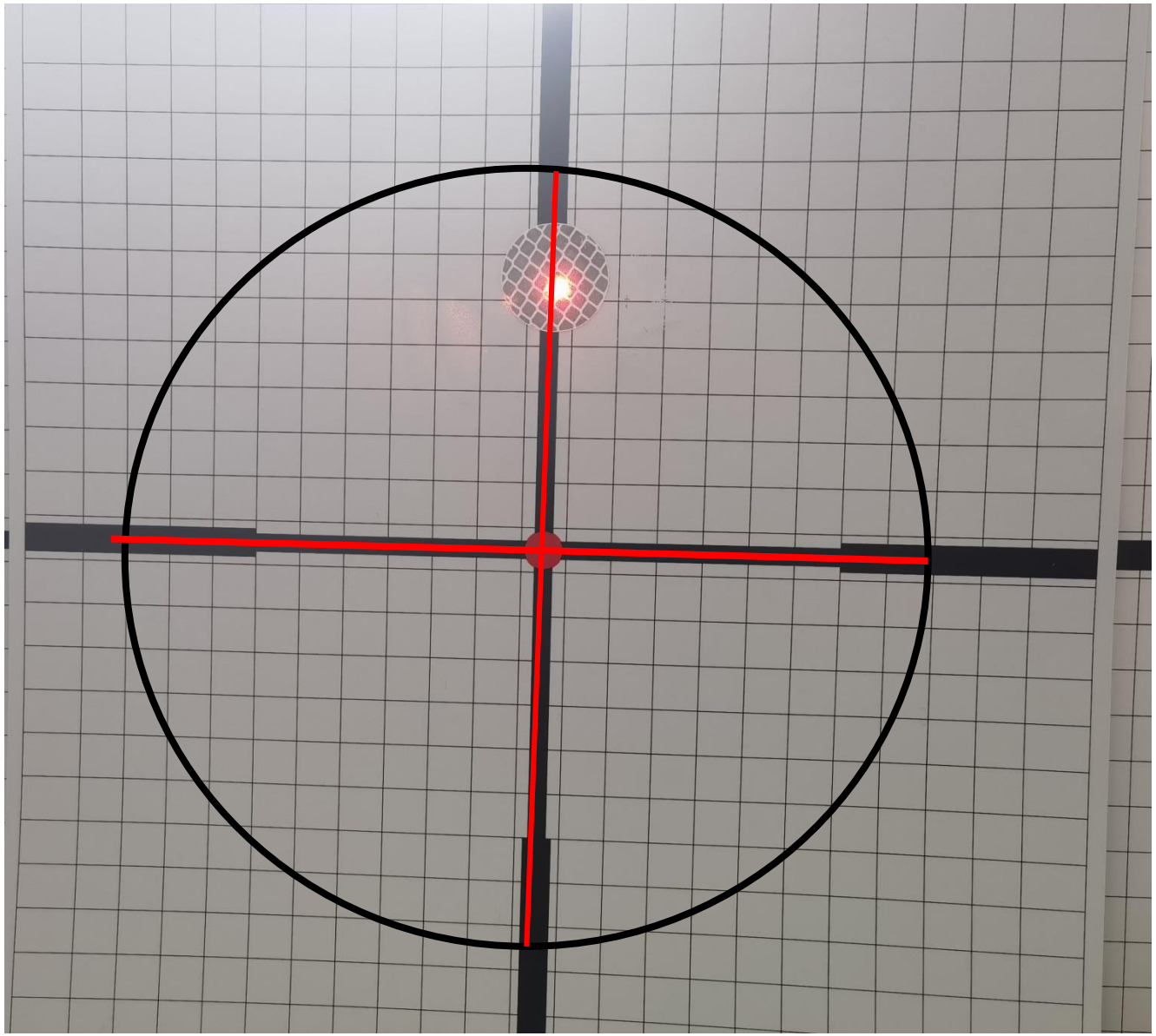




5. Adjust the Ballistics computer to align the red laser point with the center of the circular high-reflection sticker on the target paper.

Red laser adjust

Adjust the accurate sight image



Operation instruction

Key definition and operation instructions

Battery Model : CR123A 3V

Installation : Battery "+" facing inward, "-" facing outward.

Suggestion : it is better to take off the battery when you are not using the ballistic rangefinder for a long period of time.

Key definition and operation instructions

Battery Model and installation: Model: CR123A 3V Installation: Battery "+" facing inward, "-" facing outward

Key Features

1.)  Switch the button

Power on : Long press the switch button for 2 seconds, and the display screen will light up
Shutdown: Press and hold the switch button for 2 seconds to turn off the display screen
After starting up, press the on key to enter the measurement interface:
Single measurement: Press the switch button once for a single measurement
Continuous measurement: Double-click the switch button to enter the continuous measurement, short press the switch button to stop the measurement

2.)  Button:

Short press M/Y unit conversion between Meter and Yard.
Long press for 2 seconds: Switch between ABI and ABE

3.) D Button:

Short press for the screen brightness.
Long press for 2 seconds for adjust the 1-2-3 cycle to switch screen direction.

Note: When the screen direction is adjusted from Horizontal to Vertical direction, it has to be changed the 100yds returns to zero again. The position of the circular sticker will change accordingly with the center line of the scope. Please adjust the position according to the actual situation ！ ！ ！

4.)  Button : Short press to adjust standby time (3 minutes -10 minutes -15 minutes - N no sleep) and cycle in sequence.
Long press for 2 seconds : Vibration Off (the vibration is on from the original setting).

5.)  Button : Short press for visible laser beam on/off. The visible laser beam is 635nm laser class II. It is only for zero use.

P.S. For the measure there is an invisible laser (905nm class I). It is measuring up to 4000 yards in high reflective target, and measuring up to 1500 yards for Tree and other objects.

ABI and ABE mode

ABI

ABE

ABI means AB Inside mode, and it has the AB apps inside and after the device measure the distance, it would calculating the ballistic figure in order to show to you the complete solution.

ABE means AB External mode, it is only distance measuring mode, and it can connect to the wind meter that has AB apps（ KESTREL anemometer or GARMIN watch ）, and the calculation is transmitted via Bluetooth to the device.

ABE mode

M button : Long press for 2 seconds: Switch from ABI to ABE mode.

When the device is in ABE mode, turn on your Kestrel wind meter and also turn on the Bluetooth to search our device by S/N number and connect it.

P.S. Choosing the Kestrel wind meter model that must has Applied Ballistic apps feature.

DEVICE S/N No.

Connected

Warnings

- Do not look at laser beam while using the product.
- Do not use other additional optical units to operate the product to avoid the risk of eye damage.
- Do not disassemble the product, otherwise the product will not be warranted by the manufacturer.
- Please put enough wrapping materials in the packing box to prevent goods' damages in transportation.
- Please remove the battery immediately and stop using the product if it falls onto the ground and generates abnormal sound.
- Please keep the product away from children. Don't put it on a high but uneven place to prevent goods' damages if it falls onto the ground.
- Do not place it in cars under direct sunlight or an environment with intense UV radiation or near a heat source, otherwise the product will be damaged.
- If the product is used under rapid-changing temperatures; the lens surface will be covered by fog. Please don't use the product before the fog evaporates.
- With unclear exterior lens please use soft and clean cloth to clear it up. Never touch the lens with fingertips in order to protect the film on its surface.
- Considering service life, it is suggested not to measure objects within 20 meters too often or measure objects with high reflectivity too close or too often.

CLASS 1 LASER PRODUCT
INVISIBLE LASER

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: 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. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

Tango Innovations Inc

www.tangoinnos.com