

# ATHLON RANGECRAFT™

## VELOCITY PRO RADAR CHRONOGRAPH

USER MANUAL



|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| <b>I FIRST USE.....</b>                                           | <b>4</b>  |
| A. Charging and Powering On.....                                  | 4         |
| B. Settings.....                                                  | 4         |
| C. Session Management.....                                        | 6         |
| 1. QUICK START SESSION.....                                       | 6         |
| 2. NEW SESSION.....                                               | 7         |
| 3. PREVIOUS SESSION.....                                          | 8         |
| <b>II RECORDING A SESSION.....</b>                                | <b>10</b> |
| A. Select a Session.....                                          | 10        |
| B. Chronograph Placement.....                                     | 10        |
| C. Cycle Fields.....                                              | 11        |
| D. Delete Last Shot, While Recording.....                         | 12        |
| E. Exit Session & View Summary.....                               | 12        |
| <b>III CONNECTING TO ATHLON BALLISTIC LITE CELLPHONE APP.....</b> | <b>12</b> |

## Dual Function Buttons

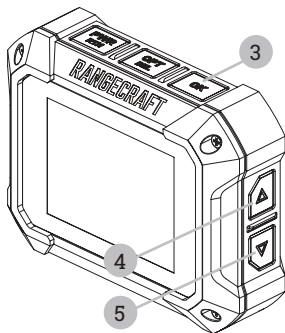
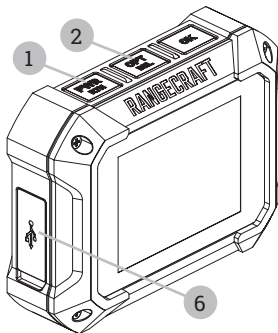
1. PWR/RTN: Power/Return
2. OPT/DEL: Option/Delete

## Single Function Buttons

3. OK: Confirmation
4. Up Navigation
5. Down Navigation

## Ports

6. Charging Port: USB-C



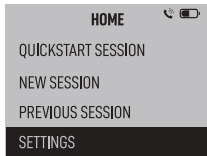
# I FIRST USE

## A. Charging and Powering On

1. Use the provided USB-A to USB-C cable to charge the device. When viewing the LCD screen, the USB-C port is found on the left side the housing. The Velocity Pro radar can be charge by most USB-A to USB-C as well as USB-C to USB-C cables and chargers.
2. Hold the “PWR” button for 2 seconds to turn the device on.

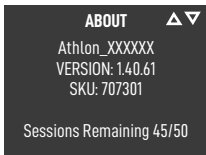
## B. Settings

While not required to use the Velocity Pro Radar, we recommend setting the Date and Time, as well as customizing the device to your preferences. **Use the “RTN” button to return to the previous screen at any time.**



On the “**HOME**” screen, use the Down arrow navigation button to highlight “**SETTINGS**,” enter the selection by clicking the “**OK**” button. In the “**SETTINGS**” option, you can adjust these parameters:

1. Display Color
2. Brightness (Screen)
3. Backlight Timer
4. Velocity (Projectile): Units of Measure
5. Weight (Projectile): Units of Measure
6. Language
7. Connection (Bluetooth)
8. Date and Time
  - a. DD/MM/YY or MM/DD/YY
  - b. 12-hour or 24-hour formats
9. Format Memory - Deletes all recorded shot data and sessions from the device.
10. About - Displays firmware version, FCC statements, etc.

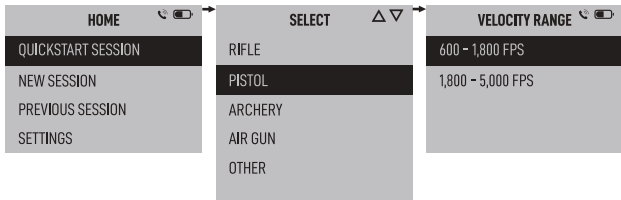


To locate compliance statements, FCC ID, and IC number, go to **SETTINGS**, scroll down and select **ABOUT**, and then scroll down to the 2nd page.

## C. Session Management

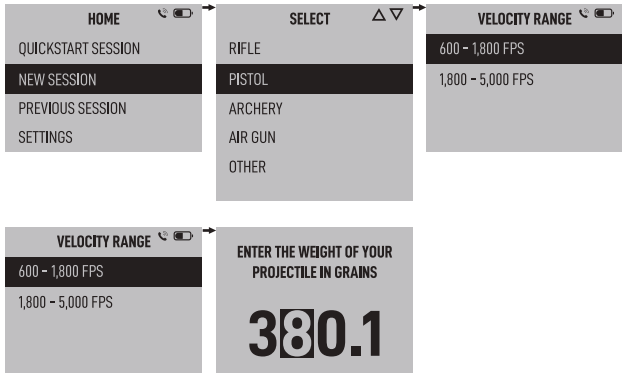
From the “HOME” Screen you can start a new recording session or view previously recorded sessions.

### 1. QUICK START SESSION



Does not ask for projectile weights, will not provide Kinetic Energy and Power Factor calculations.

## 2. NEW SESSION



Asks for projectile weight to provide Kinetic Energy and Power Factor calculations

### 3. PREVIOUS SESSION

|                                                                                                                                                                                 |                                |                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------|
| <b>HOME</b>   | <b>SESSIONS</b>                | 7/24/24 <b>AIRGUN</b> 1:24 PM                  |
| QUICKSTART SESSION                                                                                                                                                              | 7/24/24 <b>AIR GUN</b> 1:24 PM | 100 SHOTS    AVG 1009.6    FPS<br>SD 20    FPS |
| NEW SESSION                                                                                                                                                                     | 7/23/24 <b>RIFLE</b> 8:30 AM   | SUMMARY                                        |
| <b>PREVIOUS SESSION</b>                                                                                                                                                         | 7/22/24 <b>ARCHERY</b> 2:25 PM | <b>SHOT RECORD</b>                             |
| SETTINGS                                                                                                                                                                        | 7/22/24 <b>PISTOL</b> 10:11 AM | DELETE SESSION                                 |

Select a session by highlighting it and pressing **"OK"**: Here you can view session summary data, number of shots recorded, shot record, or delete a single session from the device.

- a. **SUMMARY:** You can view the Average/Minimum and Maximum Velocity, Standard Deviation, Extreme Spread, Kinetic Energy, Power Factor and the Projectile Weight. Projectile weight can be changed here by highlighting weight and pressing **"OK."** Use the up and down arrows to set the desired value, use **"OPT"** to advance to the next field, click **"OK"** to confirm the changes and return to the session summary.



7/24/24 **AIRGUN** 1:24 PM  
100 SHOTS AVG 1009.6 FPS  
SD 20 FPS  
SUMMARY  
SHOT RECORD  
DELETE SESSION

**AIRGUN** △ ▽  
AVG **1009.3** FPS  
MIN **870** FPS  
MAX **1050** FPS  
SD **20.4** FPS  
ES **980** FPS  
KE **45** FT/LBS  
PF **N/A**  
\*WEIGHT **[44.75]** GR

ENTER THE WEIGHT OF YOUR  
PROJECTILE IN GRAINS  
  
**380.1**

- b. **SHOT RECORD:** View each individual shot recorded in the session. Delete a shot from the session by highlighting the desired shot and holding "DEL" or by pressing "OK," once you confirm, the shot is removed from the session.

7/24/24 **AIRGUN** 1:24 PM  
100 SHOTS AVG 1009.6 FPS  
SD 20 FPS  
SUMMARY  
SHOT RECORD  
DELETE SESSION

7/24/24 **AIRGUN** △ ▽  
**SHOT FPS DEV/AVG**  
100 **990 1.1**  
99 **1011.1 +23**  
98 **980 -20**

7/24/24 **AIRGUN** 1:54 PM  
**99 1011.1 FPS**  
DELETE SHOT?  
YES  
NO

c. **DELETE Session:** Delete the selected session from the device.

|                |               |            |   |                 |               |            |
|----------------|---------------|------------|---|-----------------|---------------|------------|
| 7/24/24        | <b>AIRGUN</b> | 1:24 PM    | → | 7/24/24         | <b>AIRGUN</b> | 1:24 PM    |
| 100 SHOTS      | AVG           | 1009.6 FPS |   | 100 SHOTS       | AVG           | 1009.6 FPS |
|                | SD            | 20         |   |                 | SD            | 20         |
| SUMMARY        |               |            |   | DELETE SESSION? |               |            |
| SHOT RECORD    |               |            |   | YES             |               |            |
| DELETE SESSION |               |            |   | NO              |               |            |

## II RECORDING A SESSION

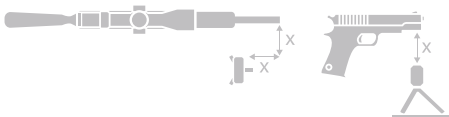
### A. Select a Session

Select either “**QUICK START SESSION**” or “**NEW SESSION**”

Select the session type and if required, the velocity range you expect your projectile to be within.

### B. Chronograph Placement

Place the Velocity Pro Radar within 4-10” of the muzzle or riser of the bow, along the X,Y,Z axis. On large caliber firearms be cautious of placement to avoid muzzle blast, especially when using aggressive breaks.



Once the session type, velocity range and weight (if prompted) have been entered you will see the session recording screen. Confirm the placement of the Velocity Pro Radar is correct and you are now ready to capture data.

## C. Cycle Fields

Press the “**OPT**” button to cycle through the displayed option field at the top center of the screen to view:

1. Average Velocity
2. Standard Deviation
3. Extreme Spread
4. Deviation from Average
5. Kinetic Energy:  
\*if projectile weight was provided.
6. Power Factor:  
\*if projectile weight was provided

|                |              |            |
|----------------|--------------|------------|
| AIR GUN<br>FPS | AVG<br>938.2 | 📶 🔋        |
| 940.8          |              |            |
| MIN<br>930     | SHOT<br>16   | MAX<br>950 |

## D. Delete Last Shot, While Recording

Hold the **"DEL"** button until the confirmation screen appears.

## E. Exit Session & View Summary

Press the **"RTN"** button to access the summary and shot record. This will end your recording session.

# III CONNECTING TO ATHLON BALLISTIC LITE CELLPHONE APP

This app helps you manage and modify your data, by indicating which shots were on a clean barrel, a cold barrel, options to exclude shots from the data calculations, rename, as well as sort and filter the sessions for easy reference.

1. Power on the Velocity Pro Radar, go to settings and set the status to **"ON"**
2. Select **"PAIR PHONE,"** if you have not installed the Athlon Ballistics Lite app
3. Download and open the Athlon Ballistics Lite app on your mobile device

4. Sign into the app and open the hamburger menu, select “CONNECT DEVICE”
5. The first time you connect to the radar, the app will send a code to the radar’s screen confirm this code matches the one displayed on your app. If you do not see your radar listed, on your mobile device, go to bluetooth settings and select your radar
6. Once your device is paired, you can click “MANAGE,” click “SYNC DATA” to import the sessions from your device to the app
7. If you have created ballistic Rifle and Bullet Profiles in the ballistic app, here you can associate them with sessions to help sort and filter your data



DOWNLOAD ATHLON'S BALLISTIC LITE APP



**EN FCC Statement / CAN ICES-003 (B) / NMB-003(B)** - 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, & (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC Radiation Exposure Statement** - This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed & operated with minimum distance 20cm between the radiator & your body.

**ISED Radiation Exposure Statement** - This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. **FR** | Cet appareil est conforme aux limites d'exposition de rayonnement RF ISED établies pour un environnement non contrôlé. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.

**Warning:** Changes or modifications to this product not authorized by Athlon could void the user's authority to operate the product.

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 to 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.

Shielded interface cable must be used with the equipment to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules. Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.

**Disposal of Electric and Electronic Equipment (Applicable in the 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. Instead, it should be disposed at the respective collection points for recycling provided by the communities. For you, this is free of charge.

If the equipment contains exchangeable (rechargeable) batteries, these too must be removed before and, if necessary, in turn be disposed of according to the relevant regulations (see also the respective comments in this unit's instructions).

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.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference, & (2) This device must accept any interference, including interference that may cause undesired operation of the device. **FR** | Cet appareil contient des émetteurs/récepteurs sans licence qui sont conformes aux RSS sans licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences. (2) Cet appareil doit accepter toute interférence, y compris les interférences qui pourraient causer un fonctionnement indésirable de l'appareil.

**FCC ID:** 2BHXQ7073C1 | **IC:** 33727-7073C1





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