

ELEMENT[®]

A man with a beard, wearing a grey and black baseball cap and a camouflage jacket, is looking through a black laser rangefinder mounted on a tripod. The background is a blurred outdoor setting with green grass and a cloudy sky.

TITAN 3K
BALLISTIC LASER RANGEFINDER

INDEX

1)	INTRODUCTION & OVERVIEW	1
2)	BATTERY & CHARGING	2
3)	OBTAINING A CLEAR IMAGE	3
4)	DISPLAY ORIENTATION	4
5)	RANGING & TARGETING MODES	6
6)	PAIRING WITH BLUETOOTH DEVICES	8
7)	WARRANTY INFORMATION	11
8)	SPEC SHEET	12



ELEMENT
BALLISTICS
CHIP



USB-C
CHARGING



3000M
RANGE



7X26
OPTICAL
SYSTEM



DUAL-COLOR
T-OLED
DISPLAY



18650
BATTERY



BLUETOOTH
CONNECTIVITY



TRIPOD
MOUNT



BAG
INCLUDED



WEATHER
RESISTANT



RUGGED
CONSTRUCTION



PLATINUM
WARRANTY

The TITAN 3K is not just any rangefinder. At the push of a button, this unit will present you with an accurate firing solution out to 3 Kilometers, harnessing the full power of the integrated Ballistics Chip to factor in weather conditions, incline, spin drift and more. The high-capacity 18650 battery ensures many hours of continuous use, and can be USB Charged on your way to the range. This manual contains everything you need to know when operating this unit.



The TITAN 3K uses an 18650 Battery. This comes installed from the factory and does not need to be removed. Before setting up and operating the unit, it is advised to fully charge the battery first.

To charge, expose the USB-C port located next to the eyepiece by lifting the rubber cap and insert the included charging cable. When charging, the indicator light below the port will illuminate **RED**.



When fully charged, the indicator light will turn **GREEN**.
Replace the rubber cap to ensure weather-sealing after charging.

***NOTE:** If you intend to purchase a spare battery, you will need a flat-top 18650. Some 18650 batteries have PCB's built in, which increases their length.



As with all optical devices, the TITAN 3K will need to be adjusted to your eye.

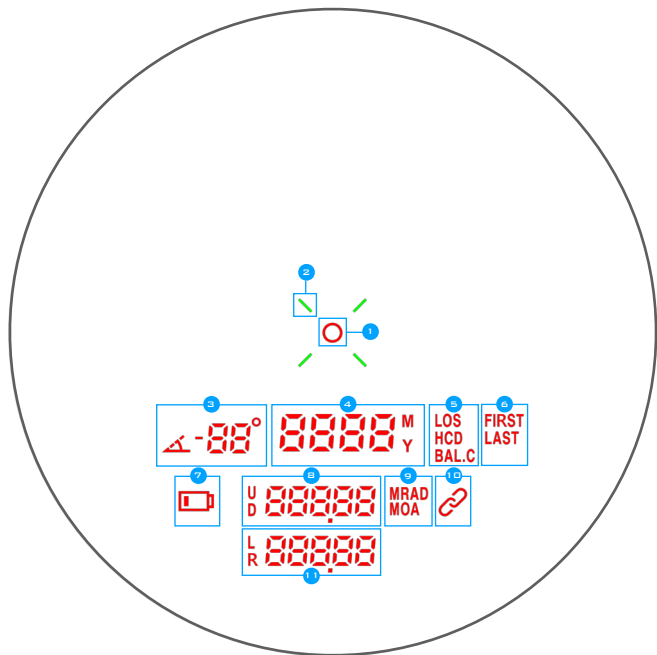
1) To start, hold the unit up to your eye and look through the eyepiece towards a featureless background. Twist the eyecup anticlockwise to lift until a comfortable eye relief is obtained.



2) Then, switch on the display by pressing the red **RANGE** button and turn the diopter ring until the display appears sharply in focus.

3) Display Brightness can be adjusted by holding in the **RANGE** button and then pressing the black **MODE** button to cycle through the 6 brightness settings.

The TITAN 3K has a Dual-Colour Transparent OLED (T-OLED) Display. It is important to understand what each icon means before continuing.



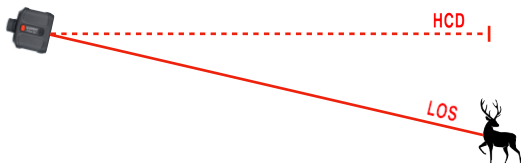
- 1) **LASER RETICLE:** Hold this on the object you want to range.
- 2) **LASER ACTIVITY INDICATORS:** These 4 Green lines illuminate when a laser beam is being emitted.
- 3) **INCLINOMETER:** Indicates the angle (degrees) of the target being ranged.

4. **DISTANCE TO TARGET:** Displayed in METERS (M) or YARDS (Y). To switch between M and Y, Double-Tap the black MODE button.
5. **RANGING MODE:**
 - **LOS (LINE OF SIGHT):** Direct distance to target
 - **HCD (HORIZONTAL COMPONENT DISTANCE):** The angle-compensated distance to your target, useful when referencing a bullet drop chart for given distances.
 - **BAL.C (BALLISTIC CALCULATOR):** Direct Target Distance shown, but additionally, Elevation & Windage data also displayed.
6. **TARGET PRIORITY MODE:**
 - **FIRST:** The processor prioritises the signal from the closest target detected. Useful when ranging an object in an open field.
 - **LAST:** The processor prioritises the signal from the closest target detected. Useful when ranging through vegetation.
 - **NONE (BEST):** The processor prioritises the strongest signal returned.
 - **SCAN MODE** can be activated by holding in the RANGE button. This gives a continuous distance readout.
7. **LOW BATTERY INDICATOR:** It's time to plug me in.
8. **ELEVATION:** Shown as a numerical value and U (up) or D (down).
9. **BALLISTIC SOLUTION UNIT:** Shown as MRAD or MOA (more on Page 9)
10. **DEVICE CONNECTED:** Displayed when the TITAN 3K is paired to the Element Ballistics App or a HYPR Riflescope.
11. **WINDAGE:** Shown as a numerical value and L (left) or R (Right). More information on Page 9.

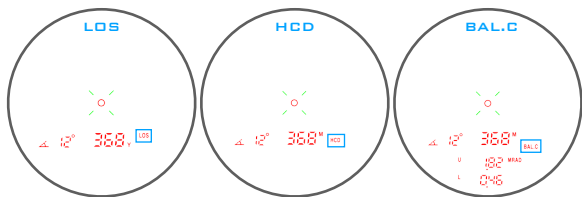
The TITAN 3K features a number of different ranging and targeting modes, making it easier to obtain an accurate reading in challenging conditions.

RANGING MODES:

By changing Ranging Modes, you allow the processor to change the way it reads out the data it has measured. As demonstrated in the below graphic, **LOS** mode gives you the direct distance to the target you have ranged, while **HCD** mode gives you the horizontal component of that distance, i.e. the actual distance multiplied by the cosine of the angle. Since gravity only acts vertically, the HCD more accurately predict how much bullet drop you need to account for.

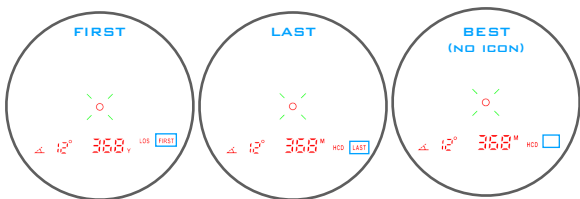


To cycle between **LOS**, **HCD** and **BAL.C**, use short presses of the black **MODE** button.



TARGET PRIORITY MODES:

No matter how powerful the laser system in a rangefinder is, a returning laser signal still has to be read and processed. The processor may receive multiple return signals from different objects downrange, and needs to predict which one is the one you want a reading for. By changing modes, you can instruct the processor to focus on specific data, giving you a better chance of obtaining the reading you want. These modes are summarised in PAGE 5.




To switch between Target Priority Modes, hold in the black MODE button for 3 Seconds.

The TITAN 3K also has a **SCAN** function which can be used in any mode. To activate, simply hold in the red **RANGE** button. This will give a continuous reading for a few seconds. This feature is useful when trying to obtain a reading off a small target - By scanning past the target and watching the readout, you may be able to detect a sudden change in the range value, possibly indicating a return signal from the small target as the beam passes by.

The TITAN 3K is compatible with a number of external Bluetooth devices, including the Element HYPR-7 and, most importantly, the Element Ballistics mobile app, from which you can create & send ballistic profiles and change preferences.



HYPR-7

The TITAN 3K will automatically pair with the HYPR-7 when in range, displaying the “device connected” icon: 

When paired, the rangefinder transmits range & incline data to the riflescope, providing an instant firing solution with no need for manual input. Note that when in **BAL.C** mode, the TITAN 3K will display ballistic data from the HYPR-7, bypassing its own ballistic chip. This means that a spotter/shooter pair will always be working with the same data.



ELEMENT BALLISTICS APP

The Element Ballistics App is available for free on the Apple and Android app stores. Before using the Ballistic Calculator function on the TITAN 3K, you will need to install the app and create a profile for your rifle.

Once downloaded and installed, the following steps should be followed:

- 1) **SELECT UNIT PREFERENCES.** Click on the **"UNITS"** tab on the bottom left of the home screen (Fig.1D, pg.10) and select the units you feel most comfortable with. These will be needed when creating profiles, but more importantly for us, the **ANGLE UNITS** selection (Fig.2A) will determine how data within the ballistic display area of the rangefinder will be shown. If **MRAD** or **MOA** are selected, the rangefinder will display this unit preference in-screen. If any other unit is selected, the rangefinder will display a click value only.



- 2) **CREATE PROFILE.** Select a profile tab (Fig.1A) and begin to enter all required data (Bullet, Scope Height, Zero Distance, Muzzle Velocity, etc). You can also update weather data and input wind conditions (Fig.1B)
- 3) **CONNECT TO YOUR TITAN 3K.** Ensure your bluetooth is activated and rangefinder switched on. You will see a tab on the home screen indicating that the TITAN 3K is within range (Fig.1C). Tap on this tab, and the device will pair.



- 4) **SET SCREEN TIMEOUT & UPLOAD PROFILE.** Select your preferred screen timeout on the configuration screen (Fig.3A) and choose a profile you'd like to upload (Fig.3B). Ensure that you send the correct profile, as the TITAN 3K can only store one at a time.

FIG. 1

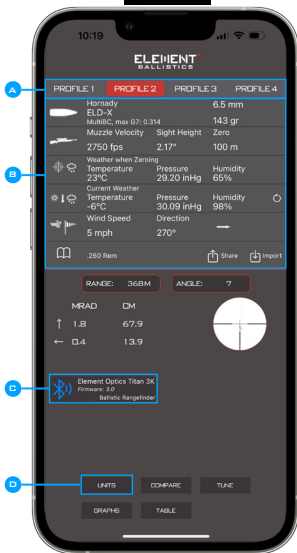


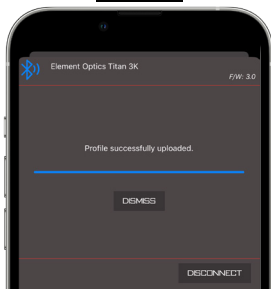
FIG. 2



FIG. 3



FIG. 4



As shooters, we know that there is nothing worse than being let down by your equipment. We have made every effort to build a rugged, reliable product that will not break under any normal circumstances, and have implemented some of the strictest quality control measures in the industry. However, we know that things can go wrong, and therefore we back our electro-optics with a 3 year warranty, which is fully transferable. This warranty requires proof of purchase.



For full terms and information, visit [element-optics.com/warranty](https://www.element-optics.com/warranty) or scan the QR code below.

The Element Optics 3 Year Warranty applies to Electro Optics only, and does not cover accessories purchased separately. Theft, loss, deliberate damage and cosmetic damage that does not hinder the operation of the riflescope is not covered. If your product can not be repaired and a replacement model is no longer in production, a model of equal value will be substituted.

SPEC SHEET

MAGNIFICATION	7x
OBJECTIVE DIAMETER	26mm
LASER LENS	32x26mm
RENGING DISTANCE	5-3000m
CONNECTIVITY	Bluetooth
FIELD OF VIEW	7 Degrees
BATTERY	USB Rechargeable 18650
LENGTH	126mm (4.96")
WEIGHT	362g (12.77oz)
WEATHER RESISTANT	YES
BALLISTIC CHIP	YES
DISPLAY TYPE	T-OLED

 @WeAreElementOptics

 Element Optics

 element_optics

 www.element-optics.com



SCAN ME