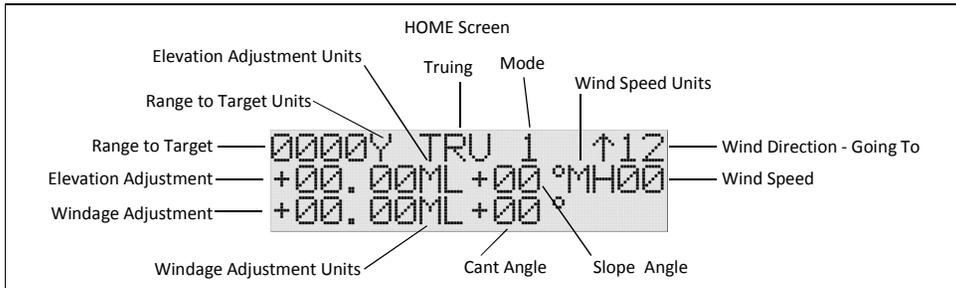


# RIANOV EAGLE (M111) Quick Start Guide

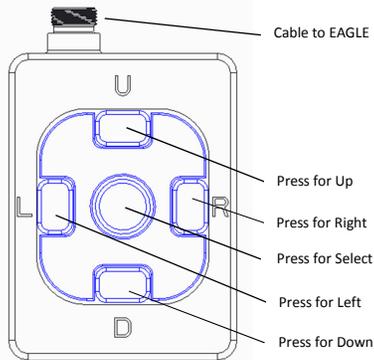
## EAGLE Menu Tree - HOME Screen

- MENU** (Press and Hold the Select Button on the Remote Joystick)
- WEAPON** – To set Weapon parameters
  - ENVIRONMENT** – To set/review environment parameters
  - MODE** – To set data entry mode (Ranging of Targets)
  - SYSTEM** – To set user defined parameters
  - DOPE** – To record data for weapon TRUing
  - ANGLE CAL** – To establish a reference level point for the weapon system



**BALLISTIC SOLUTION** – In order to receive a valid ballistic solution from the EAGLE, the user must complete all fields on the WEAPON Screen with inputs for their weapon system and ENVIRONMENT Screen

**Remote Pressure Pad** – There are two ways to use the Select button on the Pressure Pad  
 Press and Release – P/R - Press the button and release in less than 1 second to select  
 Press and Hold – P/H - Press the button and hold for more than 1 second to move to the MENU Screen



### DATA ENTRY MODES

**2 - MEAS SLP + MILS** - In Mode 2 the EAGLE unit will automatically enter into measuring the Slope and Cant angles when you initiate a ranging operation. Once the EAGLE unit has determined the Slope and Cant angles you will be prompted to enter the two variables required for MILDOT ranging (MILS and SOT). MILS is the measurement of the target inside your scope and SOT is the Size of Target (actual size of target). The MILS measurement is valid at a single magnification, unless you have a First Focal Plane reticle (FFP) scope. If you do not have an FFP reticle, you must use the scope manufacturers ranging magnification.

**3 - MEAS SLP + DTT** - In Mode 3 the EAGLE unit will automatically enter into measuring the Slope and Cant angles when you initiate a ranging operation. Once the EAGLE unit has determined the Slope and Cant angles you will be prompted to enter the Distance to Target (DTT).

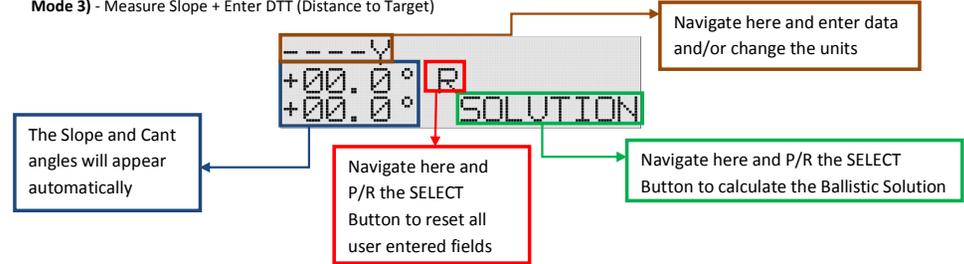
**4 - ENTER SLP + MILS** - In Mode 4 the EAGLE unit will prompt you to enter the Slope angle and the two variables require for MILDOT ranging (MILS and SOT). The MILS measurement is valid at a single magnification, unless you have a First Focal Plane reticle (FFP) scope. If you do not have an FFP reticle, you must use the scope manufacturers ranging magnification.

**5 - ENTER SLP + DTT** - In Mode 5 the EAGLE unit will prompt you to enter the Slope angle and Distance to Target (DTT).

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## Mode 3) - Measure Slope + Enter DTT (Distance to Target)



| List of Terms |                  |
|---------------|------------------|
| Term          | Definition       |
| CK            | Clicks           |
| CM            | Centimeters      |
| FT            | Feet             |
| FS            | Feet Per Second  |
| GM            | Grams            |
| GR            | Grains           |
| HUMD          | Humidity         |
| IN            | Inches           |
| HG            | Inches Mercury   |
| KP            | Kilopascals      |
| LT            | Left             |
| M             | Meters           |
| MB            | Millibars        |
| MA            | Minutes of Angle |
| ML            | Miliradians      |
| MH            | Miles Per Hour   |
| MS            | Meter Per Second |
| N             | North            |
| RT            | Right            |
| S             | South            |
| SEC           | Seconds          |
| Y             | Yards            |
| °F            | Fahrenheit       |
| °C            | Celsius          |

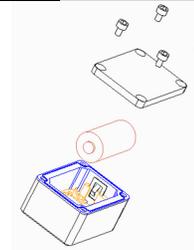
### CHANGING ALPHA & NUMERICAL VALUES

To change numeric values on any screen (except the HOME Screen) on your EAGLE unit, navigate to the field you want to change and P/R the SELECT Button. Use the Remote Joystick up or down to change the value. When you have reached the desired numeric value in one place and you want to move to a different place, use the Remote Joystick to move right or left until you reach the desired place. Complete these steps until all places have the desired values. P/R the SELECT Button to exit editing in this field. Depending on the field changed, this may initiate a recalculation of the Range and Ballistic solution.

### CHANGING THE BATTERY

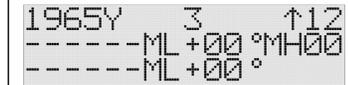
- 1) Remove the 4 M3 screws using the Long Arm Hex Key
- 2) Remove the Remote Base
- 3) Remove the old battery
- 4) Insert new battery
- 5) Replace the Remote Base
- 6) Replace the 4 M3 screws using the Long Arm Hex Key

NOTE: Do not over tighten the 4 screws. The rubber gasket should not bulge out past the metal sides.



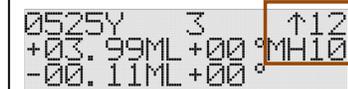
### ERROR SCREEN

If any type of invalid data is entered, either by the user or received from the sensors, the HOME Screen will appear with dash marks in the solution fields



### INPUTTING WIND CONDITIONS

The wind conditions can be entered either before or after the range is determined. The effects of the wind on the solution will be included in both the elevation and windage adjustments. The Wind Direction is entered as a "going to" direction (example - a right to left wind is "going to" 9 o'clock)



On the HOME Screen, navigation is with the Right Arrow and Left Arrow. To change the value, use the Up Arrow and Down Arrow.

### OPERATOR'S MANUAL

DOWNLOAD AND READ THE ENTIRE OPERATOR'S MANUAL PRIOR TO USING YOUR **RIANOV** EAGLE

www.**RIANOV**.com

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