



F1 Laser Rangefinder

SETUP GUIDE



SPECIFICATIONS

Size	6 x 1.8 x 1.8 in (152 x 46 x 46 mm)
Weight	8 oz / 227 g
Power/Life	CR123 - 2,000 shots
Display (Diagonal)	0.75 in / 19 mm
Laser	905 nm Class 1
Environmental	IP66
Adjustable Turrets	Yes, up to +/-30 MOA
Locking Turrets	Yes
Range	1,100 yd+ / 1,000 m+
Assembly	Waterproof, fog-proof, and shock-proof

INSTALL/REPLACE BATTERY

To install CR123 battery, grasp the front end of the unit and rotate the knurled ring counter-clockwise to remove the tail cap and expose the battery compartment.

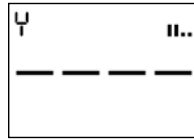
Install the battery with positive terminal facing out. To close battery compartment, align groove on knurled ring with two white marks, press and rotate knurled ring clockwise to reattach tail cap.



POWERING ON

Press the Left button for 3 seconds to power the unit on. A splash screen will appear followed by a ready to range screen. And if connected to a compatible Sector Optics device, the same image will also be displayed.

Distance units are shown in the upper left hand corner and battery life indicator in upper right. Press the Left button again for 3 seconds to power the unit off.



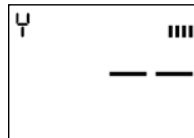
Ready to
Range
Screen



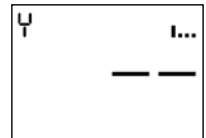
BATTERY INDICATOR

The LRF will automatically power down after 2hrs of inactivity. Setting SLEEP mode to OFF overrides this feature.

When the battery level reaches 25%, the battery indicator will begin to flash. The unit will power down approximately 2min after the low battery warning begins.



100%



25% Flashing
Low Battery

BUTTON OPERATION

The following diagram illustrates the button operation of the LRF for powering on/off, menu selection and rangefinding.



Left Button

Right Button

Left Button

- Power ON/OFF
- Menu
- (Menu) ENTER/SELECT

Right Button

- Display Brightness
- Ranging
- (Menu) SCROLL/SET VALUE

DISPLAY BRIGHTNESS

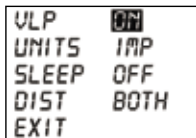
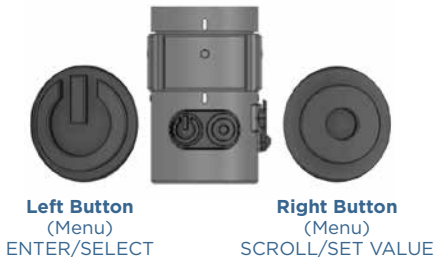
Press (short press) Right Button to increase the display brightness. If connected to compatible device, both displays will be at maximum brightness after each power cycle. Pressing the Right Button will step to the lowest setting and both displays will increase brightness at the same rate. After one cycle of adjustment, the LRF display will go blank and the internal display will adjust separately.



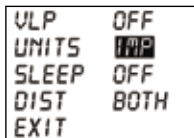
MENU

Press (short press) Left Button to access menu.

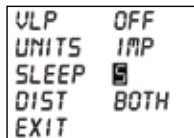
- Right Button - scroll and set value
- Left Button - select and enter



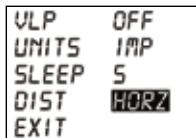
VLP (Visible Laser Pointer) **OFF/ON/REM**



UNITS options
IMP (yds) and **SI** (m)



SLEEP settings - inactivity
OFF, **1 min**, **5 min**, **10 min**



DIST (Distance) options:

BOTH = LOS (Line of Sight) and HORZ (Horizontal) distances displayed while ranging

LOS = Line of Sight distance with incline angle only displayed

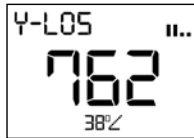
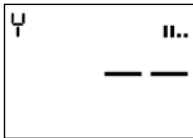
HORZ = Horizontal equivalent distance corrected based on incline displayed

RANGING

Laser Ranging is activated by a 1 second press of the Right Button or by using the provided Remote Trigger. Press and hold to perform continuous measurements. Dashes rolling right to left indicate a distance measurement is in progress.

Depending on the DIST (Distance) setting in the Menu, after the button or

trigger is pressed and released, a Line of Sight (LOS) distance with incline angle will display or if set to HORZ, the Horizontal Equivalent will be displayed. If set to BOTH, LOS followed by HORZ will cycle twice. HORZ will persist until a new measurement is initiated.



REMOTE TRIGGER

Ranging and VLP can be controlled using the provided Remote Trigger. To install, first unplug or remove USB protective cover. Then insert the Remote Trigger, noting the plug to port orientation.

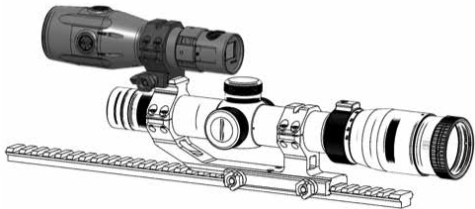
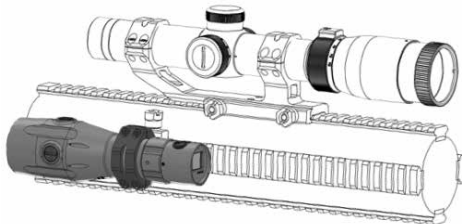
If desired, the attached cable strap can be secured to the unit with a phillips screwdriver. Be sure to align the screw straight to the top hole as shown.



MOUNTING

The F1 laser rangefinder is designed to mount with the included 30mm ring. 1/2" clamping nut should be torqued to 65 in lbs.

Two common implementations are shown. The rangefinder mounts atop a riflescope or directly to a side accessory rail. Both offer clear viewing of the display and access to the control buttons.



BORESIGHTING

Activate the Visible Laser Pointer (VLP) which indicates where the rangefinder is pointing. Remove protective cover to expose the laser pointer and adjust the VLP to co-align a desired point parallel to the rifle scope's reticle using boresight adjustments.

To avoid long distance aiming errors, a constant offset between VLP and rifle scope reticle should be the same as

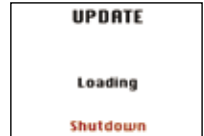
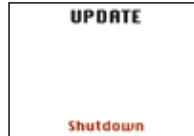
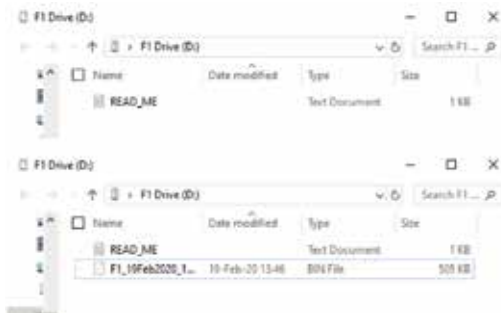
the vertical/horizontal spacing between rifle scope and LRF. Example: If mounting LRF to side rail, VLP should be low and to the left of the rifle scope reticle center. Place the following boresight target at 10 yds to ensure parallel co-alignment for three different mounting configurations based on a 2" offset.

Once boresighting is complete, tighten locking screw to 5 in lbs maximum.



FIRMWARE UPDATE

- Connect supplied USB-C cable to the F1 and a computer (MAC/PC).
- The unit will automatically detect the USB Connection.
- A drive will mount to the host PC/MAC as “F1 Drive.”
- Copy and paste the new firmware file into this drive location.
- Once the update is completed, the unit will automatically power down.



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