MAX TORQUE SETTINGS:

All applicable torque values are laser-etched printed on the product itself.

INSTRUCTIONS:

STEP 1: CHOOSE CONFIGURATION

Mount on left or right of riflescope
Arm & clamp comes preassembled assuming mounting the rangefinder on the *left* of the scope. To mount the rangefinder on the right instead, disassemble the arm & clamp assembly and reassemble with the clamp on the opposite side of the arm. Prior to disassembly, take note of the location of the 3 washers on the arm & clamp assembly.

Mount on top of riflescope
Top-mounts (mounting above the riflescope) require a 17S clamp available from 3rd parties including Magpul, RRS, Area419, and Leofoto. There are 3 sets of 17S mounting points at the front, middle and back of the RF-1 for a standard 17S clamp. The holes are spaced 1.1″ apart in accordance with the 17S standard, and threaded for M5-10mm screws. A diving-board picatinny scope rail mount is also needed for top-mounts.

IMPORTANT: Avoiding obstructions and finding ideal placement involves both choosing an appropriate mounting location, and making height, length, width adjustments.

HEIGHT: Height can be adjusted by selecting the higher or lower MLOK rail on the side of the clamp.

LENGTH: Length can be adjusted by selecting different MLOK positions.

WIDTH: There are 2 Rail Offsets provided. If the rangefinder is obstructed, for example, by large scope knobs, switch to the larger offset.

STEP 2: BOLT HARDWARE TO WEAPON RAIL.

STEP 3: INSTALL RANGEFINDER

Press rangefinder against non-slip rubber pad and adjust windage (side) screws until rangefinder is loosely held in place. DO NOT TIGHTEN YET.

STEP 4: CO-WITNESS WITH SCOPE

Choose the method for co-witness/co-aligning your rangefinder with your scope from the options below, keeping in mind these adjustment rules:

CORRECT WINDAGE / ELEVATION ADJUSTMENT TECHNIQUE:

ADJUST ELEVATION (BOTTOM SCREWS) FIRST!
Elevation cannot be changed if windage knobs are tightly gripping the rangefinder.

WITH WINDAGE (SIDE SCREWS), SMALLER ALTERNATING ADJUSTMENTS ARE BETTER!
Alternate between the 2 windage screws and make small adjustments until the correct aimpoint is achieved and the rangefinder is held securely in place.

CO-WITNESS/CO-ALIGNMENT METHODS FOLLOW:

Method A - Simple method
Point scope crosshairs at a target at the approximate distance you intend to shoot. Stabilize shooting platform so the scope doesn't move. Use the windage and elevation knobs on the mount to point the rangefinder reticle at the same aiming point as the scope reticle. Re-verify scope reticle has not moved from the target. Verify rangefinder reticle matches aiming point of scope. For extra accuracy, measure the distance between center of scope occular lens and the center of rangefinder occular lens, and maintain rangefinder point-of-aim parallel to scope crosshairs to prevent point-of-aim divergence over large distances.

Method B - More accurate method
A more accurate method is to have a target at the approximate distance you intend to shoot, where there is a much longer distance behind the target to use as a contrast. Point scope at the edge of the target. Adjust rangefinder so that it detects the point at which aiming point goes off the edge of the target both horizontally and vertically. Fire rangefinder while moving off the edge of the target. The rangefinder should be aligned so that it switches to displaying the much longer distance behind the target just as scope crosshairs move off the edge of the target. Again, for extra accuracy, measure the distance between center of scope occular lens and the center of rangefinder occular lens, and maintain rangefinder point-of-aim parallel to scope crosshairs to prevent point-of-aim divergence over large distances.

Method C - Most accurate method – requires digital night vision clip-on like a PARD NV007
Third method is to use a clip-on digital night vision scope like a PARD NV007 or the cheaper "DIY" Night Vision scopes priced around $100. Digital night vision captures the same infrared spectrum used by the rangefinder, so the laser beam from the rangefinder becomes visible flashing on the target. This makes windage and elevation adjustment for the rangefinder precise and easy. Again, for extra accuracy, measure the distance between center of scope occular lens and the center of rangefinder occular lens, and maintain rangefinder point-of-aim parallel to scope crosshairs to prevent point-of-aim divergence over large distances.

Maintain and Protect Elevation / Windage Settings with Mechanical Thread-locking:
A new feature on the Gen 3 RF-1 is mechanical thread locking. To make use of this feature, insert the included M3 grub screws in the grub screw holes ajacent to the elevation and windage threads. Tighten to desired locking tightness using included hex key.

Attention Weaver Rail Users:
Arm & clamp comes preassembled assuming mounting on picatinny. Weaver rail users must replace the included M5 bolts with identical length M4 hardware, otherwise the rail may be damaged.

DISCLAIMER / WARNING:
Recoil from high-caliber rifles can damage weapon-mounted rangefinders. Use at your own risk.

LIFETIME WARRANTY:
SIGHTLOK warrants that the Sightlok RF-1 mount you purchase was originally manufactured free of defects in material, workmanship, and mechanical function. For the lifetime of the original purchaser, SIGHTLOK agrees to correct any defect in the mount for the original purchaser by repair, adjustment, or replacement, at SIGHTLOK's option, with the same or comparable quality components (or by replacing the mount at SIGHTLOK's option); provided however that a Return Merchandise Authorization (RMA) is first obtained by contacting SIGHTLOK Customer Service at info@sightlok.com