MAINTENANCE

To avoid any spots or diffusion of the laser-sight beam, remove the two laser shroud screws with the supplied 5/64" hex wrench and wipe the laser window clean with a soft, lint-free cloth to remove any residue or debris. To reinstall the laser shroud, use an IN-LB wrench to tighten the laser shroud screws to 2 IN-LB. If an IN-LB wrench is not available use the supplied 5/64" hex wrench to tighten laser shroud screws until snug. Further tighten laser shroud screws to no more than a 1/4 turn. Do NOT overtighten! The threads may become stripped. Regularly remove loose particles off the window. A #2 pencil eraser can be used to rub off any debris that cannot be wiped away.

⚠ BATTERY INFORMATION & WARNING

Before replacing batteries, read the enclosed BATTERY INFORMATION/ WARNING insert in your original packaging. For additional battery safety, handling, and product information, visit **www.surefire.com/batteries.**

ACCESSORIES

SureFire makes a full line of accessories for most of its illumination tools. For a complete listing, visit **www.surefire.com/accessories.**

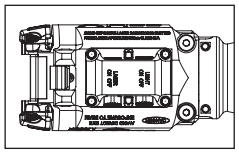
LASER SAFETY

A laser produces a very narrow beam of light, which may cause physical harm to a person. Subsequently, all lasers are regulated by the Food & Drug Administration (FDA). Lasers are classified by the intensity of the light they emit. Operational safety requirements are set by the (FDA) and the Center for Devices & Radiological Health (CDRH) in accordance with the potential hazard to the user. Always follow the following guidelines:

1. Never look directly into the laser beam or stare at it at close range.
2. Never shine the laser in a person's eye.
3. Do not direct the beam at anyone operating a vehicle, boat, or aircraft, as the beam appears very bright (especially at night) in a person's eyes, even at great distances.
4. Be aware that beam can be reflected off of mirrors or shiny surfaces.
5. Use the laser sight only for its intended purpose.

MISUSE OR FAILURE TO EXERCISE CAUTION WHEN OPERATING THIS LASER COULD RESULT IN EYE DAMAGE AND/OR ACCIDENTS.

DO NOT VIEW LASER BEAM WITH OPTICAL INSTRUMENTS (SCOPE, BINOCULARS, ETC.). DO NOT ATTEMPT TO OPEN OR MODIFY LASER HOUSING.



EXAMPLE OF REGULATORY ENGRAVING

THE SUREFIRE NO-HASSLE GUARANTEE

We'll do what it takes to keep your SureFire gear running smoothly.

SureFire warrants that if you — our customer — purchase one of our products, and we determine that it is defective in material and/or workmanship during your lifetime, we will repair or replace it — no hassle!

Our warranty does not cover consumables or normal wear-and-tear — things like batteries draining, headbands and headpads wearing out, ink cartridges running out, and switches wearing out — or damage resulting from abuse, alterations, unauthorized repairs, or use contrary to SureFire's user manuals.

Should you need a replacement product, SureFire reserves the right to replace an obsolete product with a current production, like model. In the event that any issue with a SureFire product is not covered under this warranty SureFire can arrange to have the product repaired for a reasonable fee.

STANDARD DISCLAIMER

Except as specified above or prohibited by applicable law: all express or implied conditions and warranties, including, without limitation, any implied warranty or condition of merchantability or fitness for a particular purpose, or accuracy of any informational content, are hereby excluded and disclaimed by SureFire; and in no event will SureFire be liable for any special, direct, indirect, consequential, incidental or punitive damages howsoever arising and regardless of the theory of liability, even if advised of the possibility of such damages. Products, prices, availability, specifications, and offers are subject to change or cancellation at any time without notice.

WARRANTY CLAIMS

For claims, contact Customer Service at 714-545-9444 to obtain a Return Merchandise Authorization number (RMA#). Then package the unit carefully and send to (no CODs):

SureFire, LLC.
Repairs Department, RMA#____
17680 Newhope Street, Suite B
Fountain Valley, CA 92708

SureFire will pay any reasonable shipping costs to return the unit to you.

Revision A 3-2021
71-01-1036
XH50G, XH50R

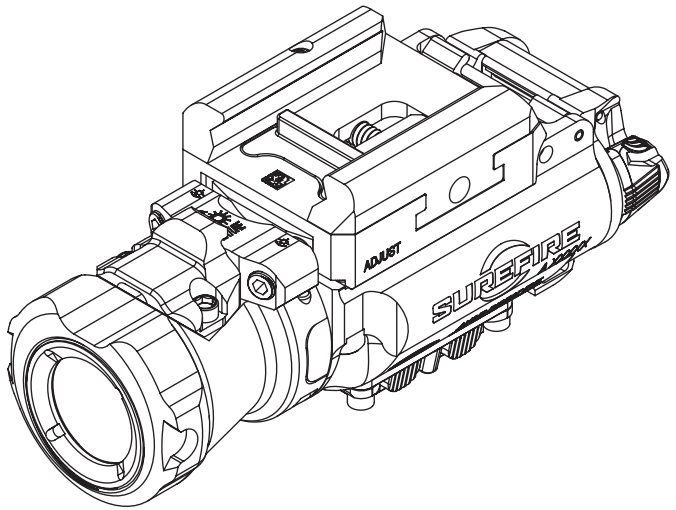
18300 MT. BALDY CIRCLE
FOUNTAIN VALLEY, CA 92708-6122
WWW.SUREFIRE.COM
Patents: 7360333, 7310903

SUREFIRE

XH50

ULTRA-HIGH OUTPUT HOLSTER WEAPONLIGHT

XH50G
XH50R



SPECIFICATIONS

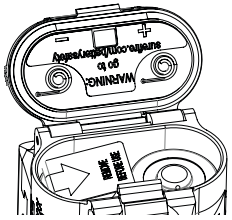
	XH50
LIGHT OUTPUT	850 lumens
LASER OUTPUT	XH50G: < 5 mW (515 nm) XH50R: < 5 mW (635 nm)
LIGHT RUNTIME	1.0 hour
LASER RUNTIME	24 hours
PEAK BEAM INTENSITY	4,400 candela
DISTANCE	132 meters
CONSTRUCTION	Aluminum
FINISH	Hard Anodized (MIL-A-8625 Type III, Class 2)
WEIGHT (w/batteries)	4.8 oz (136 g)
LENGTH	3.7 in (9.4 cm)
BEZEL DIAMETER	1.25 in (3.17 cm)
BATTERIES	Two 123A lithium (incl.)
SWITCHING	Ambidextrous push/toggle

All performance claims tested to ANSI/NEMA FL1-2019 Standard.

USER MANUAL

XH50

BEFORE INITIAL USE, REMOVE BATTERY INSULATOR



KIT CONTENTS:

- WeaponLight
- Laser Certification Label
- Universal Crossmember (marked “U”, installed)
- Picatinny Crossmember (marked “P”)
- SIG SAUER P320 Crossmember (marked “S”)
- 5/64” Hex Wrench for the windage and elevation screws
- 7/64” Hex Wrench for the mount screw
- 0.050” Hex Wrench for the crossmember set screw
- Two 123A Batteries (installed)

BATTERY INSTALLATION/REPLACEMENT

⚠ WARNING

Use of substandard batteries can cause injury or property damage. Visit **www.surefire.com/batterysafety.**

1. Attach battery cover by aligning cover hinges with WeaponLight hinge pin (Figure 1) and carefully snapping hinges onto pin.
2. Insert SureFire 123A batteries with terminals oriented as shown on inside of battery cover (Figure 2).
3. Close battery cover until compartment latch clicks, locking cover in place.
4. To replace batteries, depress latch to open battery cover (Figure 3) and remove and properly dispose of depleted batteries.

   Note: WeaponLight must be removed from weapon prior to replacing batteries.

5. Install new SureFire 123A batteries and close battery compartment until compartment latch clicks, locking cover in place.

Note: Replace all batteries; never mix old and new batteries.

MOUNTING WEAPONLIGHT TO WEAPON

⚠ WARNING

ALWAYS confirm weapon is unloaded and on SAFE before attempting installation.

The XH50 ships with its Universal (marked “U”) crossmember installed. It can be attached to Picatinny and SIG SAUER P320 rails. To attach the XH50 to an Universal accessory rail, skip ahead to the **ATTACHING TO HOST WEAPON RAIL** section.

To attach the XH50 to an alternate rail, the Universal crossmember must first be removed and the included Picatinny crossmember (marked “P”) or SIG SAUER P320 crossmember (marked “S”) must be installed. Failure to install a crossmember can result in the XH50 detaching from the host weapon which may result in damage or injury.

INSTALLING CROSSMEMBER

1. Loosen Rail-Adjustment Bolt by turning counterclockwise until Universal crossmember is fully exposed (Figure 4).
2. Use .050” hex wrench to loosen the crossmember set screw forward of the rail adjustment bolt hole (Figure 6). It is not necessary to remove the set screw completely from its threaded hole.
3. Remove Universal crossmember by lifting it up; store in a safe place for future use.
4. Install desired crossmember into slot vacated by the removed crossmember insuring that the indication marking (“U”, “S”or “P”) is facing the front of the light.
5. Tighten crossmember set screw (Figure 6).
6. Tighten Rail-Adjustment Bolt by turning clockwise. Proceed to **Attaching to Host Weapon Rail** instructions.

ATTACHING TO HOST WEAPON RAIL

Note: The appropriate crossmember MUST be installed (“U” for Universal rails; “P” for Picatinny rails); “S” for SIG SAUER P320 rails to attach XH50 to host weapon rail. Some pistols with a MIL-STD-1913 rail may require the Universal crossmember to properly interface with the location of the front trigger guard surface.

1. Adjust gap between stationary and movable Rail Guides by turning Rail-Adjustment Bolt clockwise or counterclockwise until gap is sufficiently wide to fit over weapon accessory rail (Figure 5).
2. Align Fixed Rail with weapon’s accessory rail and hinge XH50 over the cross slot of host weapon
3. Mate Crossmember with corresponding slot in weapon’s accessory rail.
4. Using an IN-LB wrench tighten Rail-Adjustment bolt to 8 IN-LB when mounting weaponlight to a polymer frame and to 8-9 IN-LB when mounting to a metal frame. If an IN-LB wrench is not available use the supplied 7/64” hex wrench to tighten Rail-Adjustment Bolt until snug. Further tighten Rail-Adjustment Bolt to no more than a 1/4 turn or when Rail-Adjustment bolt stops moving. **Do NOT overtighten!** The bolt will break if excessive force is applied with a tool (Figure 6).

WEAPONLIGHT OPERATION

Mode Switching

XH50 has four different modes of operation, which are selected by sliding the Mode-Selector Switches, located beneath the battery housing (Figure 9) to the desired position. Modes include:

- Light only
- Laser only
- Light and laser
- Disable

Light/Laser Activation

For momentary-on operation, on the battery cover press and hold either the right or left side of toggle switch; release to deactivate (Figure 8). For constant-on operation, rotate either toggle switch up or down; rotate in the opposite direction to deactivate light (Figure 8).

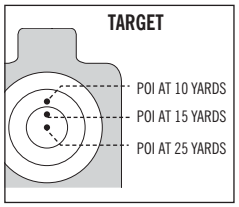
Note:The XH5x series battery cover is unique to this series of weaponlights. The XH5x series will not operate with the Z-XBC battery cover used on the X300U-A, X300U-B, X400U, X400UH, X400VH and XH30 or with any DG series switch.

ZEROING THE LASER

⚠ WARNING

ALWAYS confirm weapon is unloaded and on SAFE before attempting to adjust the laser” as parts of your hand can be in the line of fire while adjustment is ongoing.

SureFire recommends zeroing the laser sight at a distance of 25 yards, against a target, to coincide with point-of-aim of the host weapon’s factory sights. Any discrepancy in point-of-aim (POA) versus point-of-impact (POI) at target distances between 10 and 25 yards is negligible. Laser sight may require re-zeroing after the first 10 rounds, as the adjustment apparatus may settle into position.



1. While acquiring target with host weapon sights at the desired range, determine which direction(s) laser needs to be adjusted for the laser dot’s position to match weapon’s POA.
2. Make the necessary adjustments, using the included 5/64” Hex Wrench to tighten or loosen Windage and/or Elevation adjustment screws (Figure 7) below the laser, based on mounting position (from shooter’s perspective) and dot’s relation to weapon’s POA.

Windage:

The windage is calibrated by using the included 5/64” hex wrench to adjust the two socket head screws on the either side of the turret.

1. To adjust point of aim of the laser to the left loosen socket head screw on the right (right meaning laser is pointing away from you) and tighten the screw on the left. Do not not over tighten.
2. To adjust point of aim of the laser to the right loosen socket head screw on the left (left meaning laser is pointing away from you) and tighten the screw on the right. Do not not over tighten.
3. Adjust screws until laser is zeroed and slight resistance has been applied to both screws. There is no need to over-tighten screws to adjust windage. Too much pressure and the turret will yaw and the elevation of the laser point of aim will be affected.

Elevation:

The socket head screw adjacent to the roll pin on the right side of the light body when viewed from the bottom is the elevation adjustment screw (Figure 7). The socket head screw adjacent to the roll pin on the left side of the light body when viewed from the bottom is the elevation adjustment screw lock. Back out the elevation adjustment screw lock with a 5/64” hex wrench until the threads are no longer visible when viewed from the side of the light. Do not fully back out the screw.

1. Tighten the elevation adjustment screw (rotating clockwise) to lower the point of aim of the laser.
2. Loosen the elevation adjustment screw (rotating counter-clock -wise) to raise the point of aim of the laser.

When elevation adjustment of the laser point of aim has been properly calibrated tighten the elevation adjustment screw lock (on the left) to lock in elevation. Do not over-tighten or else elevation will be affected.

3. Once adjustments have been made, use laser to sight target from the designated range and fire several rounds, taking care to steady your aim to minimize any shooter error. Note WeaponLight’s point-of-aim in relation to weapon’s point-of-impact and make any necessary adjustments. Retest and continue to make any adjustments until laser’s point-of-aim and weapon’s point-of-impact match.

Note: Laser calibration should be verified everytime XH50 is removed from host weapon.

Figure 1

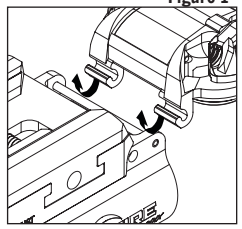


Figure 2

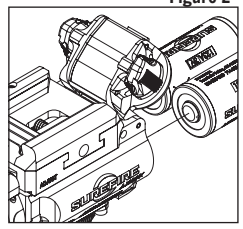


Figure 3

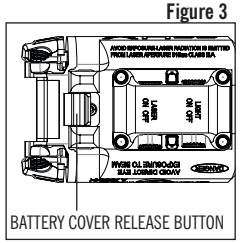


Figure 4

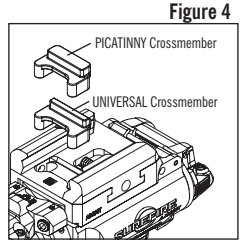


Figure 5

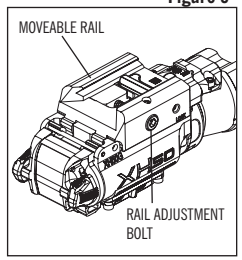


Figure 6

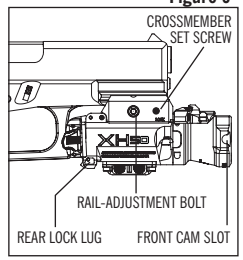


Figure 7

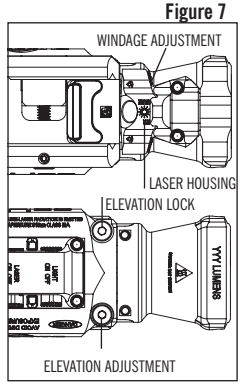


Figure 8

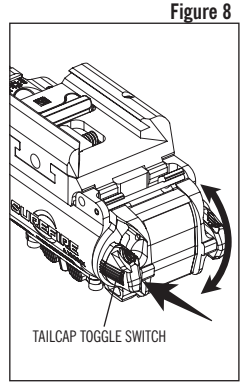


Figure 9