



# SIGHTLINK®



U.S. Patent No. 6,886,289

- G .070" Mil. Spec. - .040" Rod
- G .060" Match - .030" Rod
- G .050" Ultra-Match - .020" Rod

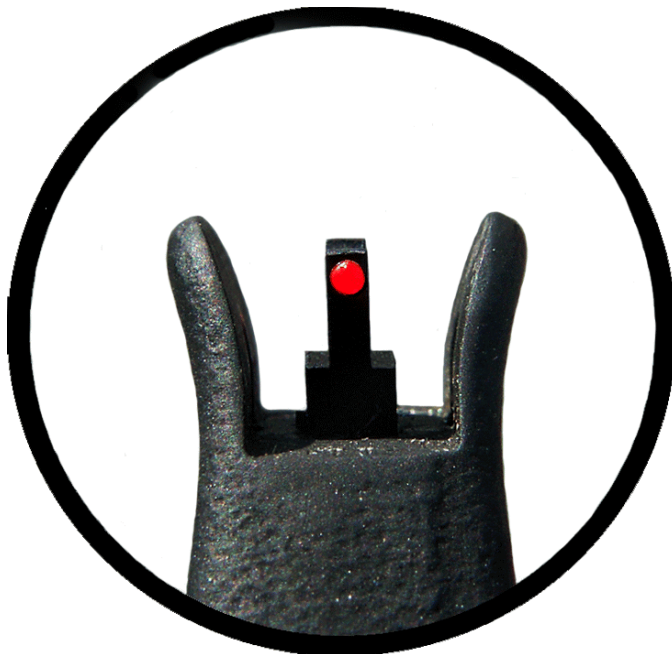
## INSTALLATION & USE INSTRUCTIONS

### CONGRATULATIONS!

Your new *SIGHTLINK* Fiber-Optic AR15/M16 Front Sight is enclosed.

*SIGHTLINK* products provide you with the only front sight that links the proven accuracy and reliability of the AR15/M16 line of match weapons with the advantages of fiber-optic sight technology.

**IMPORTANT:**  
**READ THESE MATERIALS**  
**BEFORE**  
**YOU USE THIS PRODUCT!**



Never disassemble *SIGHTLINK* products. Disassembly of *SIGHTLINK* products will void all warranties. *SIGHTLINK* contains small parts & springs that may cause injury if improperly released. If repairs or adjustments are required, return your *SIGHTLINK* product to Mounting Solutions Plus.

Your *SIGHTLINK* blade comes pre-adjusted. If you face unique problems, ask your dealer to ship your firearm to Mounting Solutions Plus for adjustment. Otherwise, never attempt to re-adjust your sight. Improper adjustment can damage your *SIGHTLINK* blade or your firearm.. Re-adjustment of *SIGHTLINK* mounts by anyone other than Mounting Solutions Plus will void all warranties.

*SIGHTLINK* products should only be installed by a competent gunsmith or armorer. Improper installation may result in damage to your sight or weapon, and will void all warranties.

Any alteration or misuse of any *SIGHTLINK* product will void any applicable warranties.

Never attempt to install *SIGHTLINK* on your weapon, or change a fiber-optic rod, with a cartridge in the chamber. Always unload your weapon first.

Never point a loaded firearm at anything you are not authorized and willing to shoot.

Always carry spare fiber-optic rods with you. The rods are fragile, and may break during use.

Always avoid potentially lethal situations. *SIGHTLINK* products are intended strictly for competition, sporting, and other applications where there is no danger to the user. *SIGHTLINK* products are not intended for military, law enforcement, self defense, hunting of dangerous game, or any other application where the user may be placed in harm's way. Use of *SIGHTLINK* products in potentially dangerous situations will void all warranties, and will constitute an assumption of the known risks of engaging in such conduct.

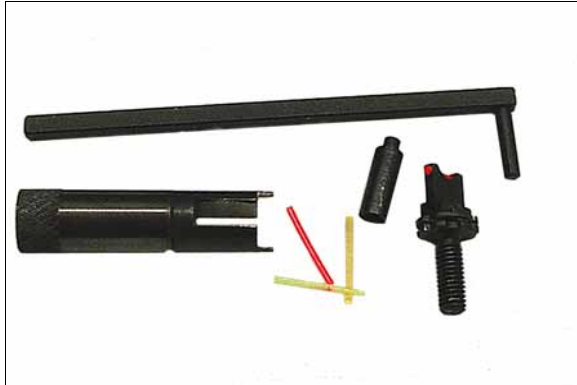
Never violate these rules. Firearms are lethal and destructive devices. Violation of these warnings or misuse of any *SIGHTLINK* product may result in injury or death to the user or to others.

### IN OTHER WORDS:

**USE SOME COMMON SENSE!!!**  
**MOUNTING SOLUTIONS PLUS**  
**IS NOT RESPONSIBLE FOR YOUR**  
**MIS-USE OF *SIGHTLINK* PRODUCTS.**

## INSTALLATION INSTRUCTIONS

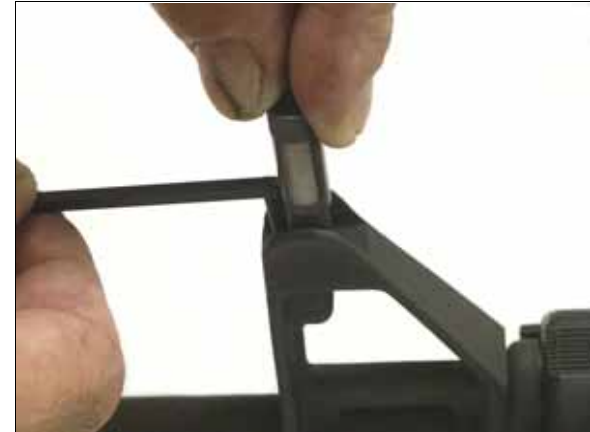
*Provide these instructions to your gunsmith or armorer for installation. Do not attempt to install this product unless you are qualified to do so.*



1. Examine the tools contained in the package. Included are a detent bar and a front sight tool.



2. Clamp the upper receiver in a non-marring vise. Use only enough pressure to retain the upper during installation.



3. Place the front sight tool over the factory post. Use the detent bar to depress the factory detent and, while depressed, unscrew and remove the factory post.

***Before proceeding further, make sure your hands are free of solvent, oils, or grease. These may adversely effect the performance of the fiber-optic rod in your new front sight blade by causing deterioration of the light transmitting characteristics of the rod.***



4. Remove the factory detent & spring.



5. Place the **SIGHTLINK** detent on top of the factory detent spring



6. Place the **SIGHTLINK** detent with factory spring in the front sight assembly.



7. Align the notches on the top blade and bottom post, and place the front sight tool fully onto the **SIGHTLINK** assembly.

It is that the

critical tips of

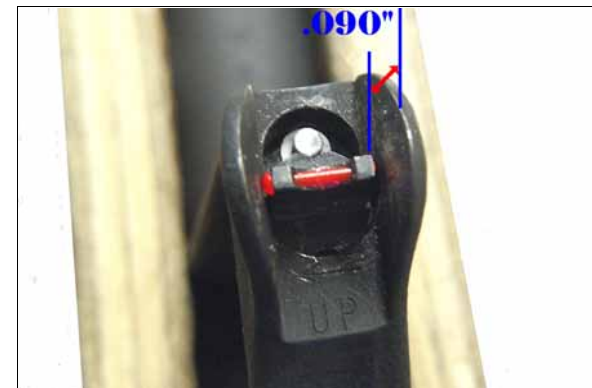
the installation tool fit into the **side** notches on the sight, not the front notches. **All** sight adjustments are done with the two side notches, never the front or the back notch.

It is also critical that, when installing the sight, the installation tool tips full engage both the notches on the top blade **and** an aligned pair of notches on the bottom post. If you engage only the notches on the blade, only the blade will turn and the post will not screw into the front sight assembly on the weapon.

**Height Adjustment** - engage both top blade and bottom post notches.  
**Turning Blade Only** - engage only top blade notches.



8. Depress the detent and thread the **SIGHTLINK** assembly into the sight housing

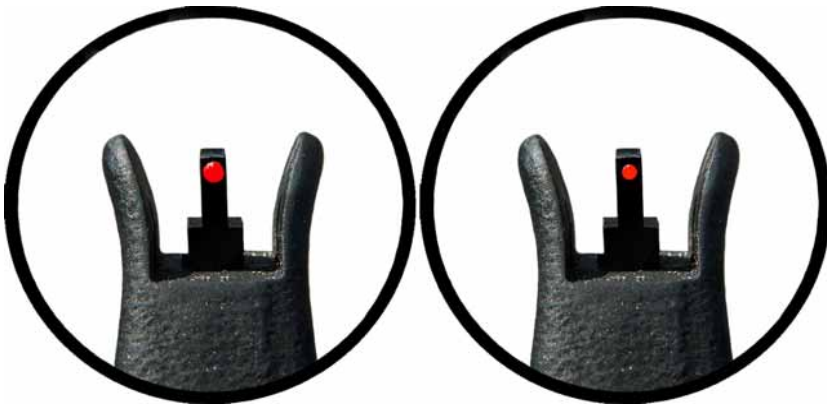


9. Initially set the blade depth at .090" below the top of the sight housing.



10. Depress the detent only far enough to clear the top blade while leaving the bottom post locked in place. Engaging **only** the top blade notches with the front sight tool, turn the **SIGHTLINK** blade so it faces forward, and then release the detent to lock the blade.

Adjust the blade height to zero your weapon. Each bottom post notch is  $\frac{5}{8}$  MOA, or  $\frac{5}{8}$ " at 100 yards (Mil.Spec. post is  $1 \frac{1}{4}$  MOA). After each adjustment, lock the blade facing forward. Fine tune the blade so it aligns with the rear sight perfectly. A slight tolerance is built in to permit the detent to function properly, so the blade may not align perfectly on the first try, but will stay in place once alignment is set.



**BIG DOT**

**Small Dot**

Engaging the blade notches **only**, you can reverse the sight blade for each shooting situation. Use the end with the small dot for accuracy, and the end with the big dot for speed.



To replace a fiber-optic rod, first cut the old rod. Avoid scarring the **SIGHTLINK** blade.



Remove both halves of the old blade.

Make sure the front blade is free of solvents, oils, or any substance which may cause deterioration of the coating on the fiber-optic rod, and reduce the light transmitting properties of the rod. Select the color of fiber-optic rod you wish to install. Red, green, and yellow are most common, but blue, purple, orange, and amber are also available. While we recommend **SIGHTLINK** fiber-optic rod, any scintillating fiber-optic rod of the correct diameter will work well. Before installing a new rod, carefully examine your **SIGHTLINK** blade. One end has a recessed hole, which is used to form the small bead inside the recess. The other end has no recess, and is used to form the big bead outside the blade.



Insert the rod so that roughly  $\frac{1}{16}$ " protrudes from the rear (non-recessed end) of the blade, and touch a lighter (only for an instant) to the end of the rod to form the big bead. The longer the protrusion, the larger the bead that will form.

***Make sure the lighter touches the end of the rod only for an instant. Anything longer may burn the rod or cause the bead to deform and be out-of-round.***



Make sure the rear bead is fully seated against the blade, and then trim the rod almost flush with the front (recessed end) of the blade, leaving not more than  $\frac{1}{32}$ " of rod protruding. Remember, the small bead should form **inside** the recess in the blade, and not protrude.



Touch a lighter to the front protrusion (only for an instant) to form the front bead inside the recess in the blade.



Discard any bead which forms out-of-round, and re-install the rod.

Replace the front bead before each match. Fiber optic rod is effected by gun solvent and oils (among others). These cause deterioration of the coating on the rod, and reduce its light transmitting properties.

Select the color of rod your prefer for each shooting condition you encounter, and try to shoot with your front sight assembly in direct sunlight when possible – the fiber optic rod functions by gathering sunlight, and will not be as bright when used in shade.

## WARRANTY AND DISCLAIMER

THERE IS NO WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND FOR *SIGHTLINK* PRODUCTS; AND ANY WARRANTY, EXPRESS OR IMPLIED, IS SPECIFICALLY EXCLUDED AND DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.

*Some states do not allow limitations on implied warranties, so the above limitation may not apply to you.*

IT IS AGREED THAT THE LIABILITY OF MOUNTING SOLUTIONS PLUS, AND THE PURCHASER'S SOLE REMEDY, WHETHER IN CONTRACT, UNDER ANY WARRANTY ALLOWED BY STATE LAW, IN TORT (INCLUDING NEGLIGENCE), IN STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER, OR ALTERNATIVELY REPAIR OR REPLACEMENT OF THE *SIGHTLINK* PRODUCT; AND UNDER NO CIRCUMSTANCES SHALL MOUNTING SOLUTIONS PLUS BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, DEATH, PROPERTY DAMAGE, DAMAGE TO EQUIPMENT, LOST PROFITS OR REVENUES, COST OF OBTAINING REPLACEMENTS, OR OTHER ADDITIONAL EXPENSES, EVEN IF MOUNTING SOLUTIONS PLUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE LIMITATIONS ON THE PRICE PAID FOR THE PURCHASE OF THIS *SIGHTLINK* PRODUCT IS A CONSIDERATION IN LIMITING THE LIABILITY OF MOUNTING SOLUTIONS PLUS AND THE PURCHASER'S REMEDIES.

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MOUNTING SOLUTIONS PLUS WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES OR EXPENSES AS A RESULT OF PURCHASER'S NEGLIGENCE, WHETHER DEEMED ACTIVE OR PASSIVE AND WHETHER OR NOT ANY SUCH NEGLIGENCE IS THE SOLE CAUSE OF ANY DAMAGE, LOSS OR EXPENSE. MOUNTING SOLUTIONS PLUS WILL NOT BE LIABLE FOR THE USER'S VOLUNTARY AND KNOWING ASSUMPTION OF THE KNOWN RISKS ATTENDANT TO ANY POTENTIALLY LETHAL SITUATION.

*This warranty and disclaimer describes specific legal rights, and you may have other rights which vary from state to state.*

# *SIGHTLINK*®

*and related shooting products are available from:*

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