

- 9 For Vertical Fore-grip
- 9 For Standard Forearm
- 9 Non-Recoil Protected Model
- 9 Recoil Protected - .223 Class
- 9 Recoil Protected - .308 Class
- 9 Recoil Protected - Maximum

## **INSTALLATION & USE INSTRUCTIONS**

### **CONGRATULATIONS!**

Your new **LIGHTLINK** Tactical Lighting Forearm Mount is enclosed. **LIGHTLINK** products provide you with the finest in state-of-the-art tactical lighting capabilities, permitting you to use a single tactical light on multiple weapons. **LIGHTLINK** products are the **ONLY** tactical lighting system with recoil shielding built into the mount, and the Forearm Mount is the **ONLY** mount specifically designed to permit easy use of a detachable tactical light when using a vertical fore-grip (*vertical fore-grip not included with this product*).

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



Forearm Mount

**Never** use a **Non-Recoil Protected** **LIGHTLINK** mount, or a factory plastic locking bar, on any weapon larger than a .223 Remington. Any weapon which recoils more requires use of a **Recoil Protected** **LIGHTLINK** Mount, and a metal **LIGHTLINK** replacement **Locking Bar**. Failure to use a **Recoil Protected** mount or metal **Locking Bar** on any heavy recoiling weapon may damage your light, and is a mis-use of **LIGHTLINK** products that will void all warranties.

**Never** disassemble **LIGHTLINK** products. **LIGHTLINK** contains small parts & springs that may cause injury if improperly released. If repairs are required, return your **LIGHTLINK** product to Mounting Solutions Plus.

Your **LIGHTLINK** mount is pre-adjusted for your weapon. If you need unique adjustments, ask your dealer to ship your firearm to Mounting Solutions Plus for adjustment of your **LIGHTLINK** mount. Improper adjustment can damage your **LIGHTLINK** mount, your tactical light, or your firearm.

**LIGHTLINK** products should **only** be installed by a competent gunsmith or armorer. Improper installation may result in damage to your weapon, light, or mount.

Any disassembly, alteration, re-adjustment, improper installation, or misuse of any **LIGHTLINK** product voids all warranties.

**Never** attempt to attach or detach **LIGHTLINK** or any light to your weapon with a cartridge in the chamber. **Always** unload your weapon first.

**Never** use **LIGHTLINK** or any weapon mounted light as a flashlight. Weapon mounted lights are strictly tactical lights, and are to be used only when lethal force is authorized and unavoidable. **Never** point a loaded firearm at anything you are not authorized and willing to shoot.

**Always** carry spare bulbs or lights when using **LIGHTLINK** or any other tactical lighting system. While **LIGHTLINK** is intended to reduce the amount of recoil force applied to your lighting system, nothing can permanently protect a light bulb from excessive impact or wear through use. All light bulbs will break eventually, and the **LIGHTLINK** tactical lighting capability is limited to **working** lights. Since Mounting Solutions Plus can not control your use of **LIGHTLINK** products with firearms and lights in good repair, Mounting Solutions Plus will not be responsible for failure of your weapon or light.

**Always** avoid lethal situations whenever possible. Tactical lighting products such as **LIGHTLINK** are intended to provide illumination capabilities to persons in unavoidable potentially lethal situations, but no product can fully protect the user from injury or death in a firefight. The knowing use of **LIGHTLINK** products, when a potentially lethal situation could be avoided, will constitute an assumption of the known risks of engaging in a lethal situation.

**Never** violate these rules. Firearms are lethal and destructive devices. Violation of these warnings or misuse of any **LIGHTLINK** 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 LIGHTLINK PRODUCTS.**

**USE**

To use your *LIGHTLINK* Forearm Mount, ensure the weapon is unloaded, point it in a safe direction, and snap the tactical light into place on the rail. Pull the light toward you ***firmly*** until the light seats against the rear block rubber plug. Listen for the “***click***” indicating the locking bar is fully seated.

**DO NOT FIRE THE WEAPON**  
**UNLESS THE LOCKING BAR IS FULLY SEATED!!!**

Reverse the process to dismount the light, lifting the locking bar & pushing the light forward until it clears the mount rail.



Lock Light On Firmly

**Before Starting, Determine The Type Of Installation:**

[Notes 1-2](#) -- Apply To All Forearm Styles.

[Notes 3-18](#) -- Standard Grip Installations On Standard Forearms.

[Notes 19-61](#) – Vertical Fore-grip Installations On Standard Forearms.

[Notes 62-73](#) – All Installations On A Straight Non-Tapered Forearm.

**INSTALLATION INSTRUCTIONS**



1A. Remove the ***upper*** forearm if using standard forearm grip.

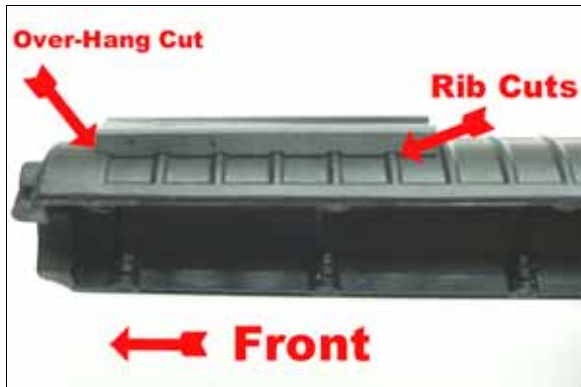


1B. Remove the factory ***lower*** forearm if using a vertical fore-grip.



2. Gently remove the heat shield & set it aside.

For Standard Fore-Grip Models Only:



3. Align the forearm spacer on the forearm ribs.



4. Place a piece of tape along the curve of the forearm where the **LIGHTLINK** rail will be installed.



5. Adjust the spacer for preference - roughly half-way between the edge & flat top of the forearm.



6. If you use a higher (side of the forearm) grip. . . .



. . . . adjust the spacer closer to the **top** of the forearm for easy access to the light.



7. If you use a lower (beneath the forearm) grip. . . .



. . . . adjust the spacer closer to the **side** of the forearm for easy access to the light.



8. Once the spacer is adjusted to your preference, carefully mark tape along the side of the spacer so you can duplicate the spacer position.



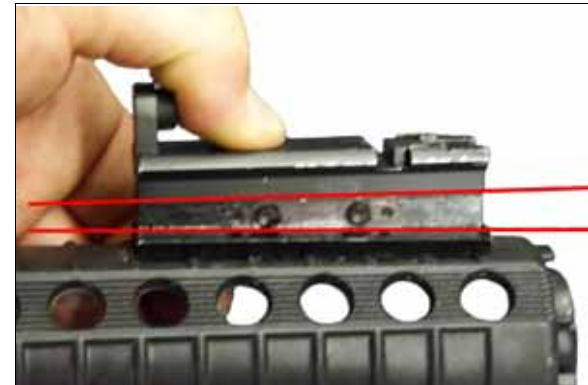
9. Hold the spacer aligned with the tape marks, & **lightly** mark the hole centers the forearm through the spacer holes. Use a sharp #8 transfer punch to remain centered. **Do NOT crush the forearm.**



10. Remove the spacer, and ensure that the hole position center marks are clearly visible. If not, reposition the spacer and re-punch the centers.



11. Drill the three marked holes with a #19 drill bit.



12. Place the rail & spacer on the forearm, ensuring the thick end of the spacer is forward (the reverse spacer taper makes the light parallel to the barrel).



13. Align the washer curves to fit the forearm interior, and then use the 8-32 Button Head screws to secure the rail to the forearm. **Do NOT use Lock-Tite yet.**



14. Use small or large fender washers to fit between the inner forearm ribs. Each forearm is different.



15. One at a time, in turn, remove each screw, place a shall amount of **Blue** Lock-Tite on the screw, and snugly re-secure each screw.



16. Gently re-install the heat shield.



17. Replace the top forearm on the weapon.  
**Installation Is Complete !**



18. Using a standard grip, the left thumb will rest in perfect position to operate the light switch.

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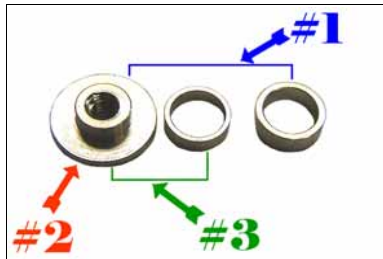
**For Vertical Fore-Grip Models ONLY:**

Vent hole sizes vary with different forearms. Measure your vent holes to determine the correct size, and so determine which pattern will be applied -- #1, #2, or #3. Follow the instructions for your pattern when installing the forearm rail. Shoulder washers & bushings are supplied in black, but are shown in silver here for better definition.

**Patterns:**

- #1 - Uses .420" vent holes. Generally found in A2 style forearms.
- #2 - Uses .325" vent holes. Generally found in carbine forearms.
- #3 - Uses .395" vent holes. Generally found in M4 style forearms.

19. Locate the shoulder washers and bushings.



20. **Pattern #1** forearms use the shoulder washer with the **large** bushings installed.



21. **Pattern #2** forearms use the shoulder washers without bushings.



22. **Pattern #3** forearms use the shoulder washer with the **small** bushings installed.

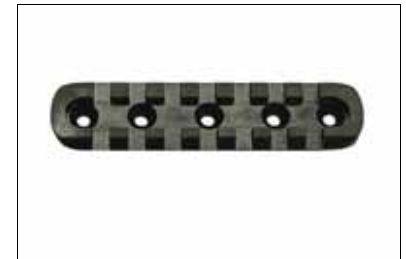


Just as with vent hole size, there are differences in vent hole spacing. There are generally two (2) different patterns of vent hole spacing, and these effect which screw holes will be used. Your rail will use three (3) of the five (5) screw holes available. All use the center rail screw hole. Match up the hole pattern with your forearm to ensure you will install shoulder washers in the correct vent holes.

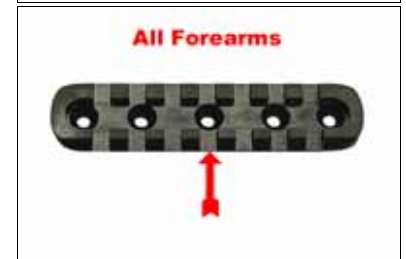
**Patterns:**

- #1-Uses the 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> holes. Generally found in A2 style forearms.
- #2-Uses the 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> holes. Generally found in carbine forearms.
- #3-Uses the 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> holes. Generally found in M4 style forearms.

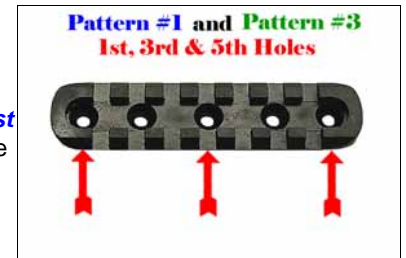
23. When the bushings are assembled, inspect the forearm rail.



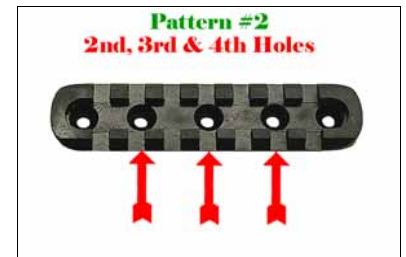
24. All forearms will utilize the **center** hole in the rail.



25. **Pattern #1 and Pattern #3** forearms use the **first, third, & last** holes in the rail, and do **not** use the **second** or **fourth** holes.



26. **Pattern #2** forearms use the **second, third, and fourth** holes in the rail, and do **not** use the **first** or **last** holes.



Finally, you must determine where to place the forearm rail. These instructions are for mounting the rail as far forward as possible. Install the rail further to the rear if you desire. Simply match the hole pattern.

**Patterns:**

**#1**-Align **first** rail screw hole with **third** vent hole. Generally found in A2 style forearms.

**#2**-Align **second** rail screw hole with **second** vent hole. Generally found in carbine style forearms.

**#3**-Align **first** rail screw hole with **first** vent hole. Generally found in M4 style forearms.

Align the rail according to pattern, and check to make sure the vent holes and screw holes which will be used are in correct alignment.

**Remember, there are manufacturer variations between forearms. Select the combination of bushings, hole spacing, and installation location which works for your forearm. The instructions here only demonstrate the three most common patterns.**

27. **Pattern #1** - Align the **first** hole in the rail with the **third** hole back from the front of the forearm.



28. **Pattern #2** Align the **second** rail hole with the **second** hole in the forearm.



29. **Pattern #3** Align the **first** rail hole with the **first** hole in the forearm.



**Pattern #1**



30. Align the **first** hole in the rail with the **third** hole back from the front of the forearm.

**Pattern #1**



31. Holding the rail in place, turn the rail over and place a shoulder washer, with the **large** bushing installed, in the **third** forearm hole (from the front of the forearm).

**Pattern #1**



32. Hold the rail & shoulder washer in place. Secure rail to forearm using an 8-32 flat head screw in the **first** rail hole. **Do NOT use Lock-Tite yet.**

**Pattern #1**



33. Place shoulder washers (*large* bushings installed) in the *fifth* and *seventh* forearm holes.

**Pattern #1**



34. Secure the shoulder washers with the remaining 8-32 flat head screws in the *third* and *fifth* rail holes. **Do NOT use Lock-Tite yet. GO TO STEP 45.**

**Pattern #2**



35. Align the *second* rail hole with the *second* hole in the forearm.

**Pattern #2**



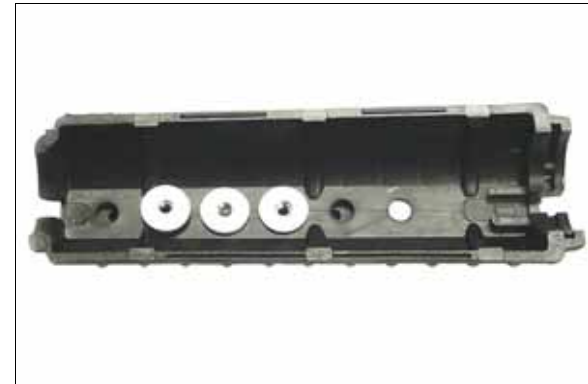
36. Turn the forearm over and install a shoulder washer in the *second* forearm hole, and align the *second* rail hole. **Do NOT use bushings.**

**Pattern #2**



37. Holding rail & shoulder washer in place, secure rail to forearm using an 8-32 flathead screw in the *second* hole. **Do NOT use Lock-Tite yet.**

**Pattern #2**



38. Place shoulder washers (no bushings installed) in the *third* and *fourth* forearm holes.



**Pattern #2**



39. Secure the shoulder washers with the remaining 8-32 flat head screws in the **third & fourth** rail holes. **Do NOT use Lock-Tite Yet. GO TO STEP 45.**

**Pattern #3**



40. Align the **first** rail hole with the **first** hole in the forearm.

**Pattern #3**



41. Turn the forearm over and install a shoulder washer in the **first** forearm hole, and align the **first** rail hole. Use **small** bushings.

**Pattern #3**



42. Hold the rail & shoulder washer in place & secure the rail to the forearm using an 8-32 flat head screw in the **first** hole. **Do NOT use Lock-Tite yet.**

**Pattern #3**



43. Place shoulder washers (with **small** bushings) in the **third** and **fifth** forearm holes.

**Pattern #3**



44. Secure the shoulder washers with the remaining 8-32 flat head screws in the **third & fifth** rail holes. **Do NOT use Lock-Tite yet.**

ALL



45. **For All Forearms** – When the rail is secured with all three flathead screws, one at a time, in turn, remove each screw, place a small amount of **Blue Lock-Tite** on the screw, and snugly re-secure.



46. Once the forearm rail is installed, place a piece of tape along the side of the forearm where the **LIGHTLINK** rail will be installed.



47. Temporarily install the vertical fore-grip on the forearm rail.



48. Align the forearm spacer on the ribs at the end of the forearm on the strong hand side of the forearm.



49. Adjust the spacer position to your preference. The spacer should be roughly half-way between the edge of the forearm and the flat on top of the forearm.



50. Hold the spacer in place and ensure the vertical fore-grip will clear the spacer when slid forward or back for installation.



51. Once the spacer is properly adjusted, carefully mark tape along the side of the spacer so you can duplicate the spacer position.



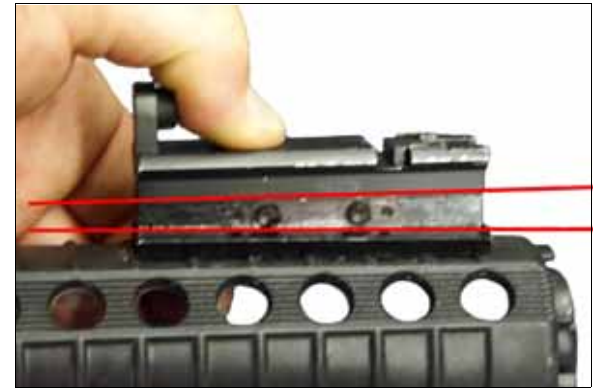
52. Staying aligned, *lightly* mark the hole centers through the spacer. Use a sharp #8 transfer punch to remain centered. **Do NOT crush the forearm.**



53. Remove the spacer, and ensure that the hole position center marks are clearly visible. If not, reposition the spacer and re-punch the centers.



54. Drill the three marked holes with a #19 drill bit.



55. Place the rail & spacer on the forearm, ensuring the thick end of the spacer is forward (the reverse spacer taper makes the light parallel to the barrel).



56. Align the washer curves to fit the forearm interior, and then use the 8-32 Button Head screws to secure the rail to the forearm. **Do NOT use Lock-Tite yet.**



57. Use small or large fender washers to fit between the inner forearm ribs. Each forearm is different.



58. One at a time, in turn, remove each screw, place a shall amount of **Blue** Lock-Tite on the screw, and snugly re-secure each screw.



59. Gently re-install the heat shield.



60. Replace the bottom forearm on the weapon.



61. When using a vertical fore-grip, the left thumb will rest in perfect position to operate the light switch.

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**[For Straight Non-Tapered Forearms ONLY:](#)**



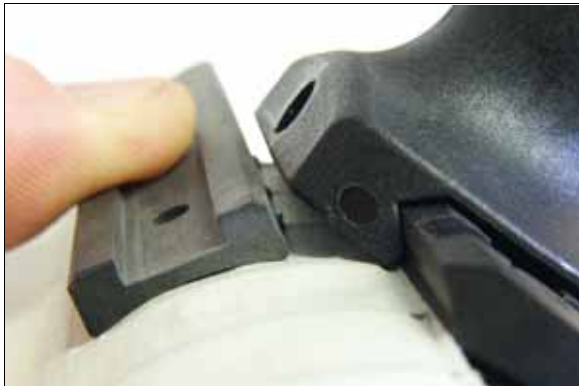
62. A high left position is used for a standard grip . . .



. . . . and a low right position is used when a vertical fore-grip will be employed.



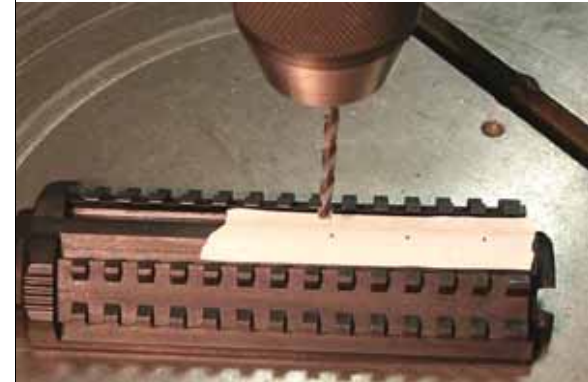
63. Align the spacer where the rail is to be mounted and place a strip of tape below the spacer.



64. Temporarily install the vertical fore-grip, and ensure it will clear the rail.



65. Staying aligned, *lightly* mark the hole centers through the spacer. Use a sharp #8 transfer punch to remain centered. ***Do NOT crush the forearm.*** ***After marking, discard the spacer. The rail will be installed directly on the forearm.***



66. Drill the three marked holes with a #19 drill bit.



67. Align the washer curves to fit the forearm interior, and then use the 8-32 Button Head screws to secure the rail to the forearm. ***Do NOT use Lock-Tite yet.***



68. Use small or large fender washers to fit between the inner forearm ribs. Each forearm is different.



69. One at a time, in turn, remove each screw, place a shall amount of **Blue** Lock-Tite on the screw, and snugly re-secure each screw.



70. Gently re-install the heat shield.



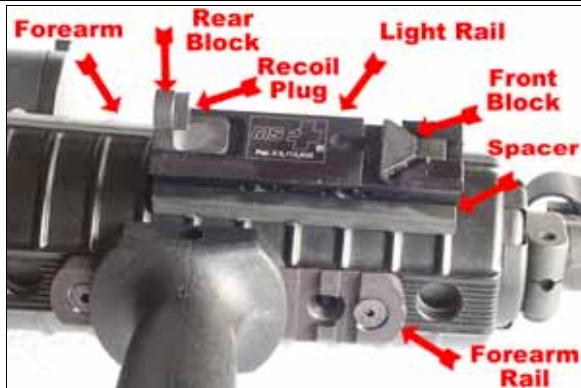
71. Replace the forearm on the weapon.



72. When using a standard grip, the left thumb will rest in perfect position to operate the light switch.



73. When using a vertical fore-grip, the left thumb will rest in perfect position to operate the light switch.



Familiarize Yourself With The Features.

**Other LIGHTLINK Mounts Include:**



Rifle I-Mount On Colt



Shotgun I-Mount On Remington



Detachable ARMS 17 Mount



Headband Mount



Helmet Mount

The **LIGHTLINK** Forearm Mount permits you to mount Streamlight, Glock, and Laser Devices tactical lights, Springfield Armory tactical lights (requires a rear block spacer), or Surefire's X200 or Millennium lights (requires a different locking bar). The **LIGHTLINK** Forearm Mount will also permit you to mount, when using the **LIGHTLINK** Universal Adapter, other common firearm accessories.

**WARNING**

**NEVER** use a **LIGHTLINK** Non-Recoil Protected mount on any weapon larger than a .223 Remington. Heavier recoiling weapons **require** use of a Recoil Protected Mount.

**NEVER** mount any tactical light on a heavy recoiling weapon (larger than a .223 Remington) without **first** replacing the factory locking bar with a metal **LIGHTLINK** locking bar. Factory plastic locking bars will **not** withstand heavy recoil forces and **will** eventually break.

***Violation of these warnings voids all warranties.***



## WARRANTY & DISCLAIMER

THERE IS NO WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND FOR **LIGHTLINK** 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.

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# **LIGHTLINK**<sup>®</sup>

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[www.lightlink.biz](http://www.lightlink.biz)

