



# SPARTAN™

## ADJUSTABLE FIT LASER



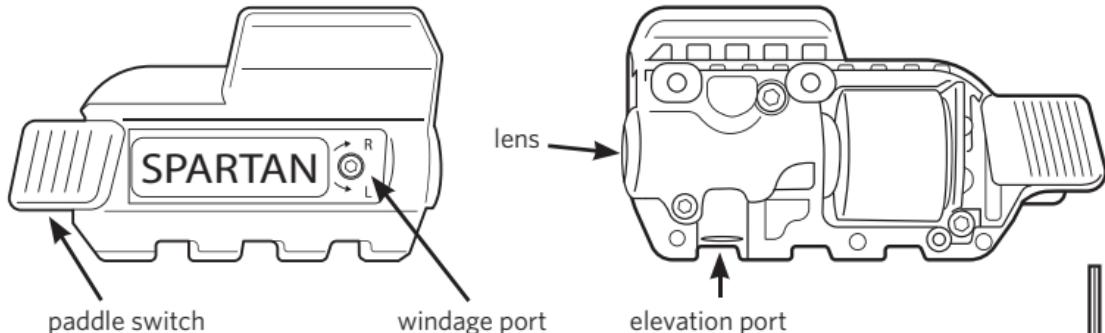
## Operator's Manual

- Advanced mounting technology provides the perfect fit
- Accessory rail permits attachment of tactical light
- Aiming point can be set to operator's choice of pulse or steady
- Auto-off after 10 minutes preserves battery power

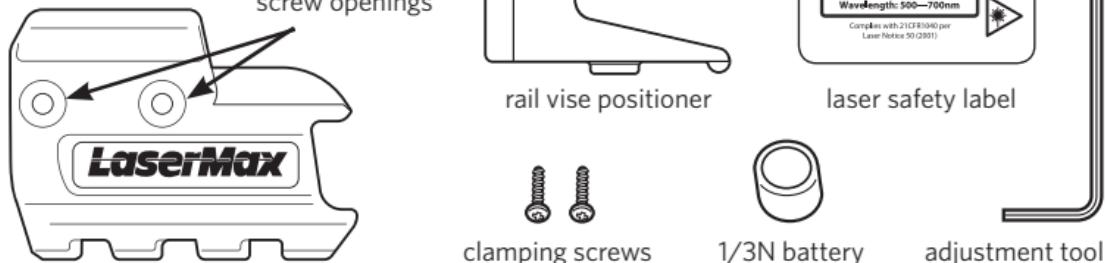
**LaserMax**

# PARTS IDENTIFICATION

## Right Housing



## Left Housing



See this sight installed at [www.youtube.com/LaserMaxInc](http://www.youtube.com/LaserMaxInc).

**IMPORTANT:** PRIOR TO INSTALLATION, BATTERY CHANGE, CLEANING OR MAINTENANCE, FOLLOW THE FIREARM MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT THE FIREARM IS UNLOADED.

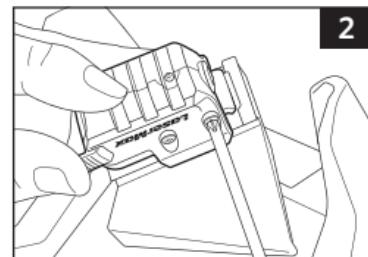
## INSTALLATION

1. To separate Spartan™ from its packaging, first rotate the disposable rail support upward to expose *clamping screws*. You may need to press the two small posts on rail support to release them from the tray (figure 1).

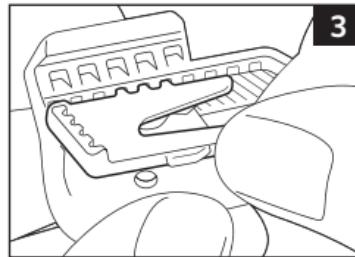


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2. Use a Phillip's head screwdriver (not provided) to remove the two (2) *clamping screws* from *left housing* (figure 2). Set these screws aside.

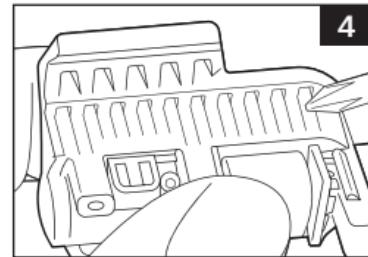


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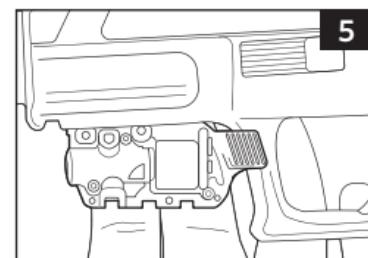
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3. Separate the left and right laser housings. Remove *rail vise positioner* (figure 3) and set it aside.



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4. Identify the *right housing* and take note of its slotted channels (figure 4).



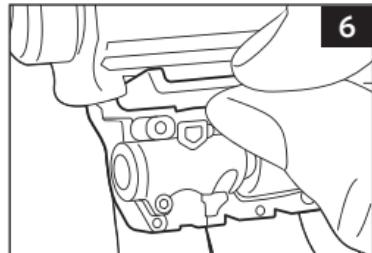
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5. Position the *right housing* against the rail of the firearm as shown (figure 5). Hold in place on rail at the desired location between trigger guard and muzzle.

6. Slide the curved front end of *rail vise positioner* into the Picatinny rail slot and position the three teeth into the corresponding slotted channels in *right housing* (figure 6).

Note: While holding this assembly in place with your support hand, assume a normal grip on the firearm and test the trigger finger's reach to the *paddle switch* to ensure optimal placement on the rail. To customize the fit, remove *right housing*, reposition as desired, then place the slotted channels of *right housing* back onto the teeth of *rail vise positioner* in its new, preferred location.

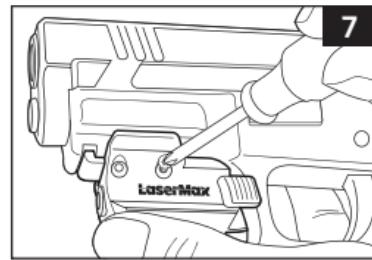
7. Mate *left laser housing* with *right housing* and press the two halves together to close the gap.



6

8. While holding the completed assembly in place on the pistol rail, insert two (2) *clamping screws* into the holes in the *left housing* (figure 7).

9. Partially tighten *clamping screws* with a Phillip's head screwdriver (not provided). Ensure that the laser is attached at the desired point on the rail before completely tightening the screws. Do not overtighten.



7

## OPERATING INSTRUCTIONS

1. To turn the laser on, press and release the *paddle switch* from either side. Press and release again to turn the laser off.
2. To switch the laser aiming point from pulse to steady, turn the laser on, then press and hold the *paddle switch* for 5 seconds. Press and hold the *paddle switch* again to return to the previous mode.
3. To save power and prevent inadvertent battery drain, Spartan™ will turn off automatically after a ten minute period of inactivity. Cycle the *paddle switch* to turn the laser back on.

# ALIGNING THE LASER



1. Alignment adjustments should be made at a minimum of 10 yards distance from the target. To begin, insert the *adjustment tool* into one of the two *alignment ports* (figures 8 & 9) and slowly rotate the tool while comparing the laser position on target to the fixed sights. **Important:** Do not turn alignment screws more than one full turn in either direction from their factory position. This may cause damage to the laser and void the warranty. A one quarter turn will result in a movement of about 7 inches at 10 yards.



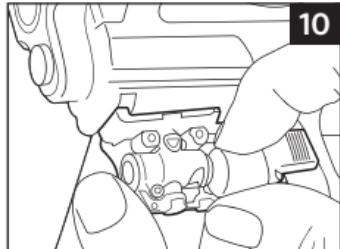
2. *Windage adjustment:* with the muzzle pointing forward and the *adjustment tool* inserted into the alignment port on the right side, a clockwise turn will shift the laser aiming point to the right and a counterclockwise turn will shift the laser beam to the left.
3. *Elevation adjustment:* with the muzzle pointing forward and the *adjustment tool* inserted into the *alignment port* on the bottom, a clockwise turn will shift the laser beam down and a counterclockwise turn will shift the laser beam up.

Note: a slight shift in alignment may be observed after firing Spartan™ for the first time. Recheck alignment after break in and readjust as necessary.

# BATTERY REPLACEMENT

Spartan™ can remain on the firearm or be removed to change batteries. Follow these steps:

1. Use a Phillips head screwdriver to remove *clamping screws* from *left housing*.
2. Remove *left housing* to expose the battery compartment.



3. Carefully remove the expended 1/3N battery (see figure 10).
4. Insert a fresh 1/3N battery with the negative (-) side facing the gold contact.
5. Mate *left housing* with *right housing* and press the two halves together to close the gap.
6. While holding the assembly in place on the pistol rail, insert two (2) *clamping screws* into the holes in *left housing*.
7. Partially tighten the screws with a Phillips screwdriver.
8. Ensure that the laser is attached at desired point on rail before completely tightening the screws. **Do not over-tighten.**

## CLEANING

After repeated fire, the *lens* may become clouded with gunpowder residue. For best results, it is recommended that this area be cleaned along with the firearm after each use. To clean the *lens*, follow these steps:

1. Keep firearm pointed in a safe direction.
2. Confirm laser is off.
3. Dampen the end of a cotton swab with isopropyl alcohol.
4. Apply dampened swab to *lens* and polish in a small circular pattern. Be sure to clean around the edges of the lens.

## WARNING

Care should be taken when applying oil or lubricant to clean the firearm. Getting oil or lubricant on laser components may cause damage and void the factory warranty. Spartan™ should not be submerged in or flushed with lubricants or cleaning solvents.



View complete installation and battery replacement video tutorials at  
[www.youtube.com/LaserMaxInc](http://www.youtube.com/LaserMaxInc).

## REPLACEMENT PARTS

06049-0-1 rail vise positioner

LMS-AT50 adjustment tool

LMS-13N replacement battery

LMS-2x13N 2-pack replacement batteries

CF-MS clamping screws

For patent information, please visit:

[www.lasermax.com/patents](http://www.lasermax.com/patents)

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# IF YOU EXPERIENCE AN ISSUE WITH YOUR SPARTAN™ LASER PLEASE DO NOT RETURN IT TO THE STORE.

Contact LaserMax Customer Service: ☎ 800-527-3703



## SPS-R

Red Laser

CLASS 3R VISIBLE LASER

Output Power: <5mW

Wavelength: 650nm

## SPS-G

Green Laser

CLASS 3R VISIBLE LASER

Output Power: <5mW

Wavelength: 510-535nm

## REMINDER

Aiming a laser beam at moving vehicles including boats, aircraft, trains, and construction equipment may be illegal. Check current applicable laws and follow them accordingly.

## DANGER

Laser radiation is emitted from the front aperture of the laser when the switch is activated.

## WARNING

Avoid direct eye exposure to beam. Do not point laser at anything you do not wish to destroy.

## NOTICE:

The FDA requires the label supplied with your laser be affixed to the outside of the gun near the laser aperture.

# LASERMAX LIMITED WARRANTY

Registration of your product is required in order to receive warranty service.

Visit [lasermax.com/support](http://lasermax.com/support) to fill out the registration form.

The product that you have purchased is subject to the terms of this limited warranty. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from State to State. The product you purchased is warranted to be free from defects in material and workmanship at the time of purchase. This limited warranty does not cover expendable parts (i.e. batteries), because they have definite and predictable life expectancies and should be replaced by you, to protect the product and preserve your warranty. This limited warranty also does not cover damages due to equipment or parts, which upon inspection are determined by LaserMax to have become defective after the date of purchase due to abuse, misuse, etc.

The coverage of this limited warranty begins on the date of purchase and ends 5 years after the date of purchase. This limited warranty is extended only to the original purchaser of the product and is not transferable. To be eligible for warranty coverage you as the original purchaser of the product must register the product in our warranty registration system at [www.lasermax.com](http://www.lasermax.com) within 90 days of your original purchase. To make a warranty claim you must make a warranty repair request no later than the date that is five (5) years from the date of purchase and obtain a return authorization number from our Warranty Department at 1-800-527-3703. Once you have made a warranty claim, LaserMax

will inspect the product to determine whether it is eligible for warranty coverage. If eligible, LaserMax will repair or replace the part(s)/product that LaserMax, in its sole discretion, determines to be defective during the warranty period. If not eligible, LaserMax will return the part(s)/product to you and inform you why coverage is not available. LaserMax reserves the right to substitute equivalent product replacement at its discretion.

Any and all implied warranties, including the implied warranties of merchantability, fitness for a particular purpose, and non-infringement also begin on the date of purchase and end 5 years after the date of purchase. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. The foregoing is your exclusive remedy and LaserMax' exclusive liability for any warranty claim. LaserMax will not, under any circumstances, be liable for any incidental, indirect, consequential, punitive or exemplary damages (even if LaserMax has been notified of the possibility of such damages) resulting from or related to a product including, without limitation, any loss of profits, or loss of opportunity, or damages in excess of your purchase price for the product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.