

## 62120LS650 INSTRUCTION MANUAL

**WARNING** BE CERTAIN THAT YOUR GUN IS UNLOADED AND POINTING IN A SAFE DIRECTION.

**CAUTION** THIS LASER TARGET DESIGNATOR IS A POWERFUL DEVICE THAT REQUIRES SPECIAL ATTENTION FOR ITS USE. READ THE FOLLOWING INSTRUCTIONS AND SAFETY PRECAUTIONS CAREFULLY BEFORE USE.

**CAUTION** USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

**CAUTION** **LASER LIGHT:** AVOID DIRECT EYE EXPOSURE. KEEP OUT OF REACH OF CHILDREN. DO NOT DIRECT LASER AT PEOPLE, PETS, SHINY/HIGHLY REFLECTIVE SURFACES, OR ANY OTHER OBJECT NOT INTENDED FOR DESIGNATED USE.

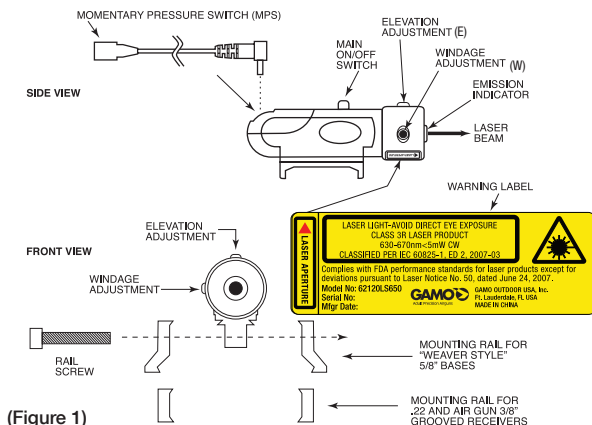
***This is a high quality device incorporating advanced laser optics and microelectronics. With proper use and care, it will provide you with many years of reliable service.***

**Disposal:** DO NOT dispose in municipal trash due to the potential effects on the environment and human health. Dispose of at your nearest local WEEE treatment and recycling center or contact the manufacturer for further assistance of disposal.



This symbol indicates separate collection for electrical and electronic equipment.

Placed on market after 2005/08/13.



(Figure 1)

**CAUTION** Risk of Explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

**WARNING** DO NOT MIX OLD AND NEW BATTERIES IN THIS PRODUCT.  
Do Not Mix Alkaline, Standard (Carbon-Zinc), Or Rechargeable Batteries (Ni-Cad, Ni-Mh, Etc.)

### SPECIFICATIONS:

- 650nm index-guided laser diode
- Class 3a (<5mW) output power
- Two (2) LR44 lithium batteries
- Advanced composite body
- Momentary pressure switch, 8" in length
- Mounting rail for 3/8" grooved receiver (airguns and .22 rifles)

- Mounting rail for 5/8" "weaver-style" bases
- Large hex head wrench
- Small hex head wrench
- Visible range:  
Indoor lighting conditions: 100 yards  
Outdoors at night: 300 yards
- Range of windage and elevation adjustment:  
More than 60 inches at 100 yards

### 1.) SELECTING THE CORRECT RAIL MOUNT FOR YOUR GUN

The laser attaches to either a 3/8" grooved receiver, found on most, .22 rifles and air guns, or to a 5/8" "weaver-style" base as installed on most centerfire pistols and rifles. The laser is shipped with the mounting rails for a "weaver-style" mount already installed. If you need to attach this device to a 3/8" grooved receiver, you will need to loosen the two rail screws and remove the 3/8" dovetail mounting rail and replace it with the "weaver-style" set.

### 2.) ATTACHING THE CORRECT MOUNT TO THE DEVICE

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Simply slide the appropriate rail onto your gun and tighten it into place utilizing the two rail

attaching screws and the larger of the two supplied hex head wrenches. Note the “weaver-style” rail utilizes a lock screw to prevent its slippage under recoil. This lock screw should be fit into the groove found on most “weaver-style” mounts. To prevent the loosening of any of these screws under recoil, the use of a non-permanent thread-locking compound is recommended.

### 3.) ACTIVATING THE LASER

**⚠WARNING** DO NOT LOOK DIRECTLY INTO THE LASER BEAM OUTPUT APERTURE DURING OPERATION. PERMANENT EYE DAMAGE MAY RESULT.

#### 3A.) Installing The Batteries

Your new laser is powered by (2) two long-life lithium batteries. They may be found in the small plastic bag with the wrenches and momentary pressure switch. To install the batteries, push down on the front of the battery cap and slide it back, off of the body of the laser. Next, insert the batteries into the battery holder with the “+” side up to the rear. Finally, slide the battery cap back into place.

#### 3B.) Main On-Off Switch

With this switch, you may turn the laser on or off.

#### 3C.) Momentary Pressure Switch

This switch allows you to turn the unit on or off with pressure. The pressure switch access panel at the rear of the device must first be opened. Open this panel by applying pressure on its top and rotating it down. Push the pin connector on the end of the pressure switch firmly into the port. The pressure pad has an adhesive on its end and may be attached to a convenient location on your gun.

#### 3D.) Emission Indicator

Your laser is equipped with an emission indicator at the end that the laser projects from. The indicator glows red when the laser is functioning.

### 4.) ALIGNING THE LASER WITH THE PATH OF THE BULLET

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**⚠WARNING** EXERCISE SAFE GUN HANDLING. SHOOT ONLY AT AN APPROVED GUN RANGE OR SUITABLE LOCATION. USE EYE AND EAR PROTECTION AS NECESSARY.

4A.) Activate the laser by either the pressure switch or the main switch.

4B.) Carefully fire (3) three shots.

4C.) Observe the bullet's strike on the target. To move the point of impact, there are two screw ports at the front of the device. The one marked “E” will move the point of impact up and down (Elevation) and the one marked “W” will move the point of impact left and right (Windage). See Figure 1.

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4D.) With the smaller of the two included hex wrenches, make the appropriate adjustments. When adjusting windage, rotating the screw clockwise (as viewed from behind the device) will move the dot to the right and your point of impact to the left. When adjusting elevation, rotating the screw clockwise (as viewed from behind the device) will move the dot down and your point of impact up. Note that the adjustments are very sensitive. One half rotation, 180 degrees, will provide approximately 15 inches of movement at 25 yards. After adjustment, carefully fire three more shots and note their strike on the target. Make additional adjustments as necessary.

### 5.) REPLACING THE BATTERIES

The batteries included with your laser target designator will provide long service. However, should the dot grow dim, the batteries may need to be replaced. To do so, remove the battery cap as detailed in section (3A). Next, turn the device up side down and the batteries should fall out. Should the batteries fail to fall free, gently press on the side of the top of the battery with a pencil point, toothpick, or similar non-metallic probe.

*For further safety information regarding lasers, refer to ANSI-Z136.1  
STANDARD FOR THE SAFE USE OF LASERS, available from the Laser Institute of America at:  
(407) 380-1553 or from GAMO OUTDOOR USA®, Inc.*