

## LB 16 Laser Barrel

### OPERATING INSTRUCTIONS

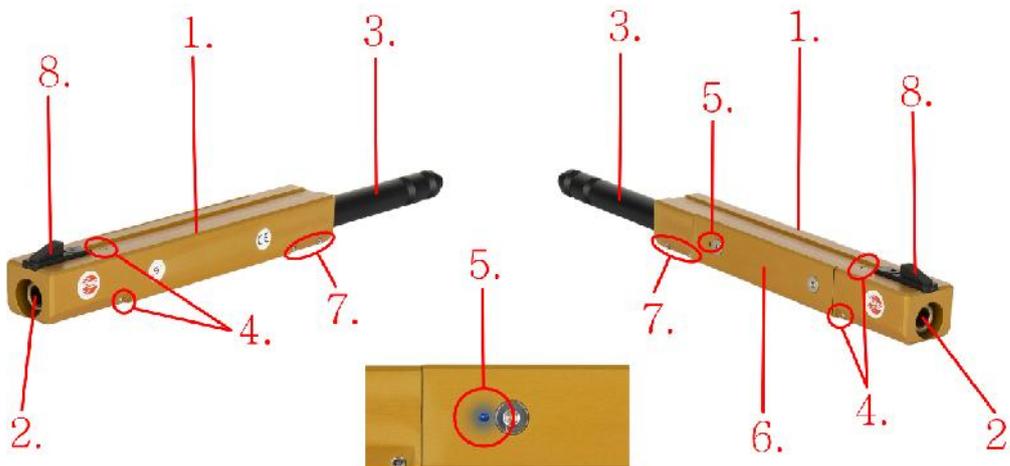
#### 1. Safety Instructions and Important Notice



LASER RADIATION  
DO NOT LOOK DIRECTLY INTO LASER BEAM!  
CLASS I. LASER DEVICE

- The LB 16 laser barrel is a Class I. laser shooting device, laser follows the standard EN 60825-1:2007.
- It is forbidden to open or modify the LB 16 laser barrel, excluding change of battery .
- Never aim at people, animals or uncontrolled areas.
- While handling the weapon, observe the general rules for manipulation with a real weapon.
- Do not look into laser beam directly or through any optical device.
- Read carefully the Operating Instructions before using the LB 16 laser container.
- Don't use equipment for purposes other than those which it is addressed.
- Laser barrel must be used in accordance with this Instructions only.
- **Laser barrel must be protect against strong sun and rain in accordance with the UIPM Rules, part 5.9.4 vi)**
- **WARNING! Failure to follow these instructions may expose the user to dangerous laser radiation**

#### 2. Description



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- 1.LB 16 laser barrel
- 2.Glass lence
- 3.Barrel ( adapter )
- 4.Rectification screws
- 5.LED diod
- 6.Battery cover
- 7.Mounting screws
- 8.Front sights

### 3. Designation

LB 16 laser barrel serves for instruction, training and shooting competitions in Modern Pentathlon. Shooting at PLT precision targets or Hit, HIT&MISS targets is done by the LB 16 Laser barrel with the UIPM laser signal 15,6 ms inside. It is designated to emit a laser beam after pressing the trigger

### 4. Laser Set-up

User can change battery and set laser zeroing only. **Laser signal can be change by producer or authorised person only!**

Remove original air pistol barrel. In this place insert LB 16 laser barrel



Example!

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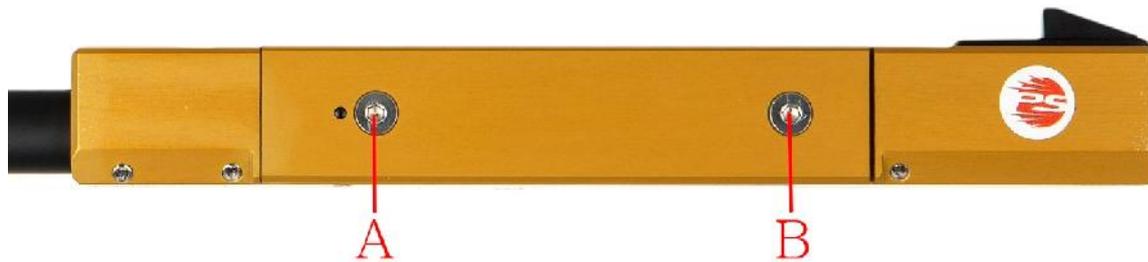


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Check correct position of laser barrel . Unscrew hexagonal screws ( A and B ) and open battery space.

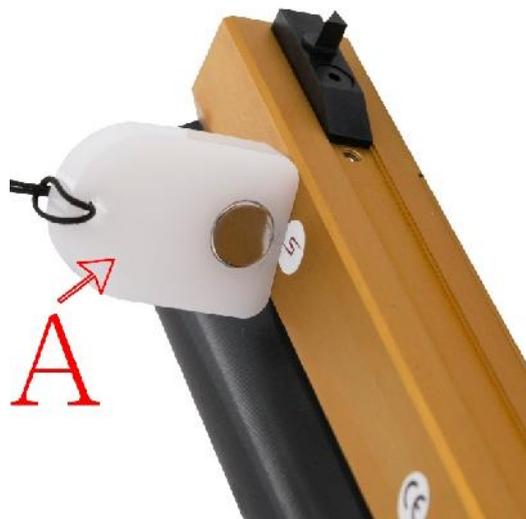


Insert one 1,5V alkaline AAA battery into battery holder. Keep correct polarity of battery!!!



### 5.Laser Switch ON/OFF

Attach chip ( A ) on the LB 16 laser barrel body as shown on picture and SWITCH ON laser barrel.



## 6.LED diod

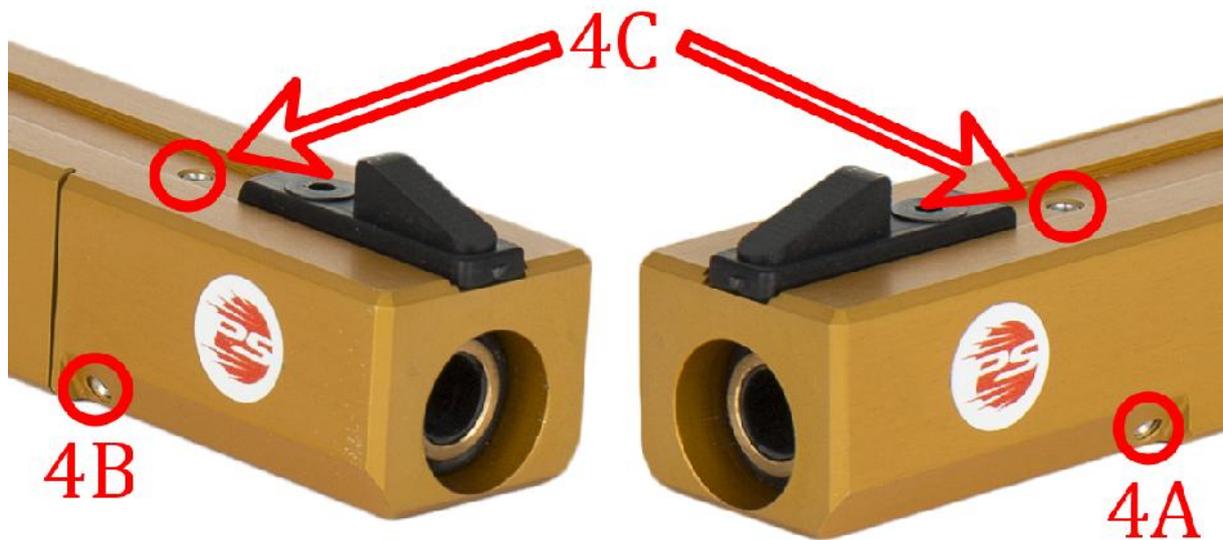
BLUE LED diode ( 5. ) will flash. Number of flashes indicates the battery status:

- Five flashes/beeps – 100% battery power,
- Four flashes/beeps – 75% battery power,
- Three flashes/beeps - 50% battery power,
- Two flashes/beeps - 25% battery power,
- One Flash/beep – change battery as soon as possible!
- RED/BLUE LED diodes are flashing together/sound alarm - battery is empty, laser container is blocked and battery must be change immediatelly.

Laser container will be SWITCH OFF automatically after 20 minutes after last shot.



## 7.Zeroing



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If it is not possible to sight the gun by means of sights, you can make corrections using the levelling screws 4A, 4B and 4C.

- The screw 4A is used to move the laser to the left.

Procedure:

- First, loosen the screw 4B with about  $\frac{1}{4}$  of a turn by an Allen wrench

-tighten the screw 4A by an Allen wrench

-check if the laser beam impact matches with your aiming point. Where appropriate, adjust settings according to the above-mentioned procedure.

- The screw 4B is used to move the laser to the right.

Procedure:

- First, loosen the screw 4A with about  $\frac{1}{4}$  of a turn by an Allen wrench

-tighten the screw 4B by an Allen wrench

-check if the laser beam impact matches with your aiming point. Where appropriate, adjust settings according to the above-mentioned procedure.

- The screw 4C is used to move the laser up or down.

The procedure to move the laser up:

-First, loosen the screws 4A and 4B with about  $\frac{1}{4}$  of a turn by an Allen wrench

-tighten the screw 4C by an Allen wrench

-check if the laser beam impact matches with your aiming point. Where appropriate, adjust settings according to the above-mentioned procedure.

- The screw 4C is used to move the laser up or down.

The procedure to move the laser down:

- First, loosen the screw 4C with about  $\frac{1}{4}$  of a turn by an Allen wrench

-tighten the screws 4A and 4B by an Allen wrench

- check if the laser beam impact matches with your aiming point. Where appropriate, adjust settings according to the above-mentioned procedure.

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## 8. Operating principles

- The laser beam sent by the emitter is the I. class . Do not stare into laser beam !
- Never aim at people, animals or uncontrolled areas - observing the general rules for manipulation with a weapon is required.
- If you do not use the emitter for a long time, remove the battery.
- In accordance with the UIPM Rules, 5.9.4 vi) if the weather forecast is predicted as bad pistol must be protected by a waterproof box or adequal solution situated under the shooting table.

## 9. Maintenance

Keep the emitter clean by wiping the dust out of them using a dry cloth. Do not use any cleaning agents, solvents and chemical preparations. Do not push the emissive hole optic with any object.

## 10. Possible Defects and Their Removal

The laser beam trace is visible with difficulty or it is not visible at all. Change the battery.

The detector (a scanning device) does not Check targets's power supply or react to the shot. change the batteries.

The laser beam impact is evaluated anywhere Do new adjustment. else but not where the weapon aims. Check correct function of target.

## 11. Environmental Protection

The batteries must not be dumped into the dustbin. Collect the batteries dispose of them at collection points.

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## 12. Technical parameters

Dimensions	20 mm x 23 mm x 289 mm (MORINI version )
Weight	170 gr (with Al adapter), 220 gr (with steel adapter )
Laser class	I. in accordance with the EN 60825-1:2007
Wavelength	650 nm $\pm$ 5% nm
Laser beam diameter	4 mm $\pm$ 5% / 10m
Laser output	3,4 mWmax
Laser code	15,6 ms UIPM laser code 2015
Recommended shooting distance	10 m
Number of shots with 1pc AAA battery	min. 40 000/ at 20°C
Emitter power supply	1pc 1,5V AAA Alkaline battery
Operating conditions	+10°C to +50°C, IP 52°C

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