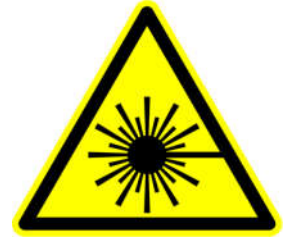


## Warnings

Laser class 2  
Max. Output power < 1 mW  
Wavelength 650 nm (red)



**Before using the barrel insert, make absolutely sure that the weapon is not loaded and that there is no cartridge in the chamber. Otherwise there is **danger to life!****

- Never point the barrel insert at people or animals!
- Never point the laser beam at smooth reflective surfaces (mirrors, etc.)!
- Never look directly into the laser beam or with optical instruments!
- Keep the barrel insert out of the reach of children.
- Do not continue to use or tamper with the barrel insert if it is damaged.
- Only pass the barrel insert on to third parties together with these instructions for use.

## Operation

The Project ARES laser barrel insert, in combination with a buffer cartridge, makes it possible to turn a pistol or rifle into a laser training device. It is inserted into the barrel, detects the impact of the firing pin on a buffer cartridge and then emits a short laser pulse.

### Inserting the batteries

The laser runner insert operates with two LR44 button cells. To insert them, unscrew the cover plate. When inserting, the polarity must be observed. The negative pole must touch the battery spring.

### Switching the barrel insert on and off

The barrel insert is switched on by briefly pressing the button in the centre. This is indicated by a short flashing of the laser. It switches off automatically as soon as no shot has been detected for approx. 7 minutes. When switched off, the batteries can remain in the barrel insert for a longer period of time without being discharged.

### Adjusting the laser

To align the laser perfectly with the gun's sights, it can be adjusted by the 3 grub screws with a 1.5 mm Allen screwdriver. To move the laser in one direction, loosen the grub screw on the opposite side slightly and then tighten the other two grub screws. The screws should only be tightened loosely. Excessive force can damage the laser mount. When adjusting, it is helpful to set the barrel insert to continuous laser mode.

### Continuous laser mode

If the button in the middle is pressed for longer than one second, the barrel insert goes into continuous laser mode. In this mode, the laser shines continuously, but with reduced power to avoid possible danger. Nevertheless, the



warnings at the beginning of this manual should also be observed in continuous laser mode. By briefly pressing the button, the barrel insert returns to normal operating mode. If, on the other hand, the button is pressed again for a long time, the barrel will switch to the setting mode.

## **Setting the trigger sensitivity**

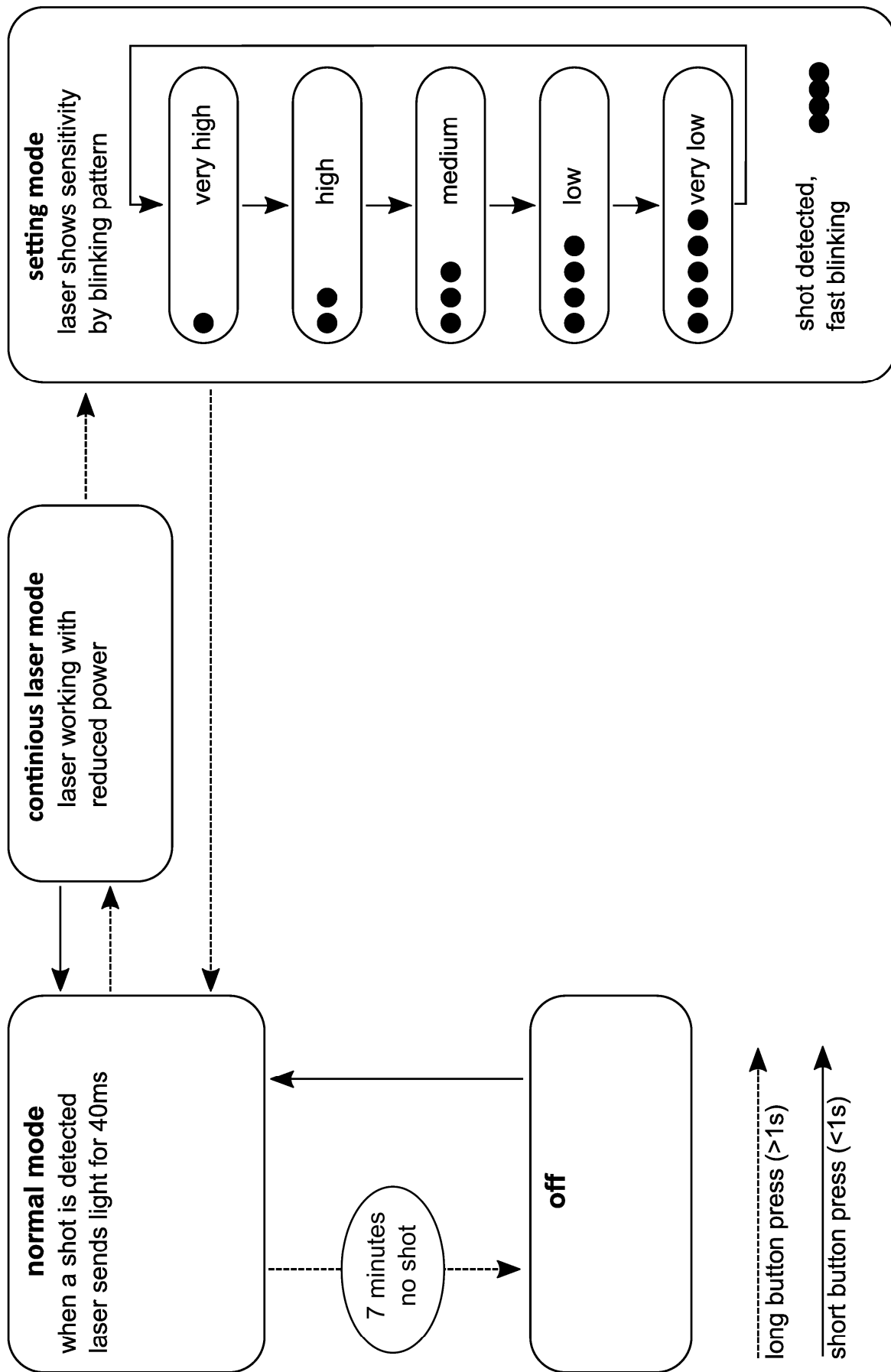
The volume at which a noise triggers the laser pulse can be set in 5 levels. It should be selected so that pulling the trigger reliably activates the laser, but other noises caused by handling the weapon are ignored. For adjustment, the barrel insert must be set to the adjustment mode. To do this, it must first be put into continuous laser mode by a long press on the button and then put into setting mode by another long press on the button.

In the setting mode, the barrel insert indicates the current sensitivity setting by a flashing pattern. It emits a series of short laser pulses approximately every 2 seconds, the number of which indicates the sensitivity level. A single pulse indicates the highest sensitivity level, at which even very quiet noises activate the laser. A sequence of 5 pulses represents the lowest sensitivity level, at which the barrel insert only reacts to louder noises. The other 3 setting options are indicated accordingly with two, three or four pulses in succession.

To change the setting, press the button once briefly in the setting mode. This will cause the runner to change to the higher setting or, if it is already at level 5, back to level 1. If a noise is detected as sufficiently loud in the setting mode, the runner will emit a short series of very fast pulses. In this way, it is possible to check whether the current setting is suitable without having to leave the setting mode.

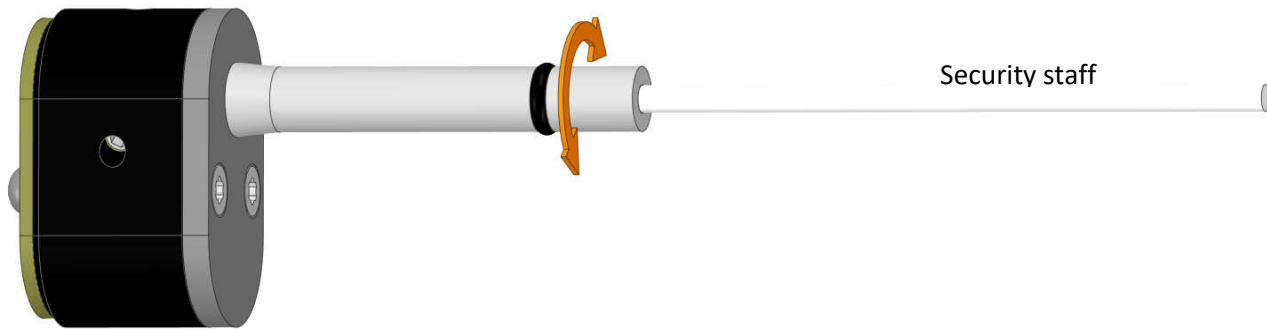
When the correct setting has been found, the setting mode can be exited by pressing and holding the button. The runner insert then saves the selected sensitivity and returns to normal operating mode.

## laser barrel insert



## Fitting the barrel insert into the barrel

The laser barrel insert is mounted in the barrel of the weapon with a suitable barrel insert. It is essential to ensure that the weapon is not loaded. Otherwise there is a danger to life. The barrel insert has a tapered end at the front which fits against the muzzle of the barrel. In the rear there is a rubber ring which can be widened to the optimum diameter by turning the end piece. Screwing the end piece in clockwise makes the rubber ring thicker, screwing it out makes it thinner. A setting must be selected in which the barrel insert can be inserted into the barrel without excessive force, but is held securely in place.

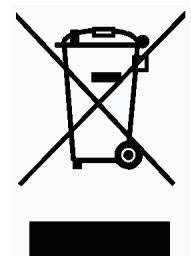


## Use of the safety bar

To avoid accidents, the use of the safety rod is strongly recommended. This is a plastic rod that can be screwed into the thread at the end of the barrel insert and then protrudes into the cartridge chamber. Thus it is not possible to insert the laser barrel insert into the barrel when the gun is loaded. Likewise, loading is prevented when the laser barrel insert is inserted. The safety rod can be cut to the correct length with side cutters or sturdy scissors. It is suitable for weapons with a barrel length of up to 6 inches (approx. 15 cm). The safety rod cannot be used for weapons with longer barrels. When using a buffer cartridge that fills the entire cartridge chamber, the safety rod cannot be used either.

## Disposal

Electrical and electronic equipment that falls under the "ElektroG" law is marked with the adjacent label and may no longer be disposed of with the residual waste, but can be handed in free of charge at the municipal collection points, e.g. recycling centres.



As the end user, you are legally obliged (Battery Ordinance) to return used batteries and rechargeable batteries. Batteries/battery packs containing harmful substances are marked with the adjacent label. Disposal with household waste is prohibited. Used batteries/rechargeable batteries can be returned free of charge to municipal collection points, e.g. recycling centres or wherever batteries/rechargeable batteries are sold!

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