

# USER GUIDE



## NanoSSR

LAST UPDATE ON DECEMBER 22, 2016

[WWW.GATEE.EU](http://WWW.GATEE.EU)

GATE Menet, Wojtak Sp. J. does not take any responsibility for damages, injuries and accidents resulting in the use of this product or the use of Air Electric Gun with the product installed.

## NOTICE

Information contained in this document is subject to updating without notice.

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL  
CAREFULLY BEFORE INSTALLING THE DEVICE**



## DANGER!

Caution must be exercised to prevent short circuiting the battery as the consequences can be very dangerous.

## FOR YOUR SAFETY

We recommend that this product should be installed by an experienced airsoft service.

**WARNING:** Before starting installation process, please ensure that your AEG is empty and there are no BBs inside.

**WARNING:** Always use a fuse between the battery and the mosfet.

**WARNING:** Incorrectly connecting positive and negative battery terminals will cause immediate damage to the unit and it can lead to fire.

**NOTE:**

Please check if you have downloaded the latest manual from the Technical Support section of our website: **www.gatee.eu**. The Product Warranty Form is also available there.

In case you have any difficulties while installing or using this product, we recommend to email us at **support@gatee.eu**.



**PRODUCT DISPOSAL INSTRUCTIONS**



The symbol shown here means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household and commercial waste at the end of its working life. The Waste of Electrical and Electronic Equipment (WEEE Directive 2012/19/UE) has been put in place to recycle products using best available recovery and recycling techniques to minimize the impact on the environment. Purchasers shall take any old electrical equipment to waste recycling public centers or points of sale.



**CERTIFICATE OF CONFORMITY**

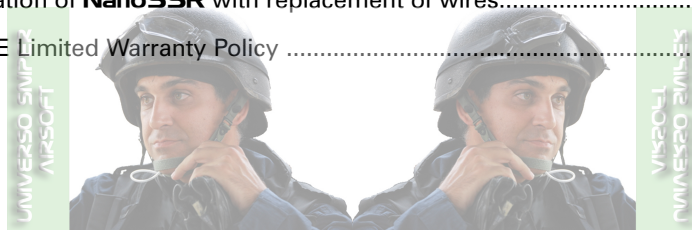
GATE Menet, Wojtak Sp. J. hereby declares under our sole responsibility that the product GATE NanoSSR is in conformity with the essential requirements of the following Directives: EC DIRECTIVE 2011/65/EU



This product has been certified as RoHS Compliant.

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## 01. OVERVIEW

The **NanoSSR** is the highest quality basic MOSFET with Deans-t connectors. It is resistant to bad weather conditions. The use of new technology has allowed us for the maximum miniaturization. The **NanoSSR** is compatible with all the replicas, also the tuned ones. It works with any battery from 7.2V to 12.8V.

## KEY FUNCTIONS



## MOSFET

## MOSFET

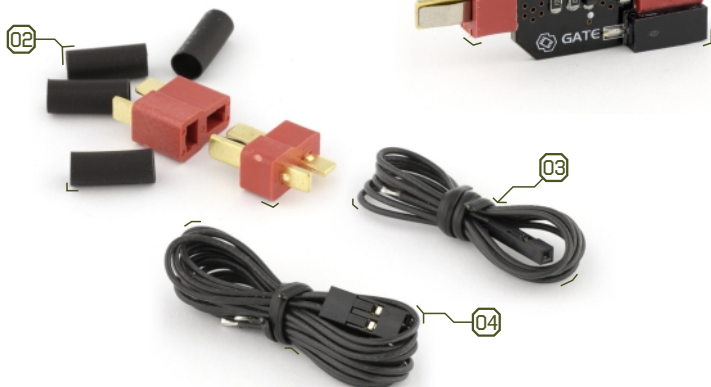
Do you want to achieve higher rate of fire and faster trigger response? Are you planning power upgrade of your rifle? In that case, you need a MOSFET.

It targets the energy from the battery directly to the motor, bypassing the mechanical trigger contacts. As a result, you gain a higher rate of fire of the rifle and faster trigger response, and the contacts are protected against burn out.

**NanoSSR** is not compatible with micro-switches!

## INCLUDED IN THE KIT:

- 01 **NanoSSR**
- 02 **Additional kit of Deans-T Connectors**
- 03 **Single signal wire for trigger contacts**
- 04 **Double signal wire for trigger contacts**



## 02. INSTALLATION

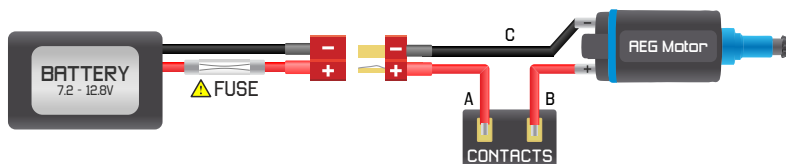


FIG 1. STANDARD AEG WIRING SCHEME

To adapt the standard AEG installation to work with **NanoSSR** you have to get to the trigger contacts. In case of a GB v2 contacts are located inside a gearbox. With a version 3 gearbox, installation is easier because the contacts are on the outside of the gearbox. Please consult a local airsoft technician if you have never disassembled a gearbox before or if you have any installation concerns.

### a) Installation of NanoSSR without replacement of wires.

Using this method, the original wiring is kept, and the connections are modified. Referencing Figure 2, de-solder A wire from one of the trigger contacts and then solder it to the B wire. It does not matter which wire you disconnect from the trigger switches, just join two wires together at one terminal. In the place of the A wire, solder additional single signal wire (03 – provided with the **NanoSSR** kit). The GATE wire is thin because it handles very low current and is only used for switch-detection. If you have already connected the **NanoSSR** between the battery and the AEG, do not forget about a signal wire. Connect it to the top pin.

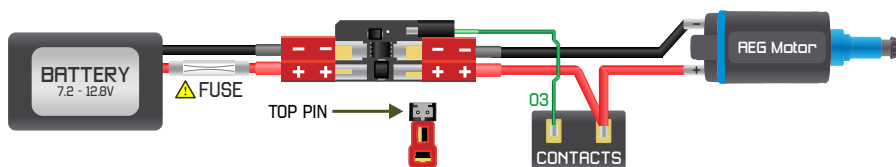


FIG 2. CONNECTION-MODIFICATION SCHEME - THE TOP VIEW

### b) Installation of NanoSSR with replacement of wires

Replacing the existing AEG wiring with a high-quality, low-resistance wiring in conjunction with the installation of a MOSFET allows for the ultimate in efficiency. 16 awg or thicker wire is recommended. Solder the double signal wire (04 - provided with the kit) to the contacts, according to the Figure 3.



FIG 3. COMPLETE RE-WIRING SCHEME

## 06. GATE LIMITED WARRANTY POLICY

GATE Menet, Wojtak Sp. J. warrants that its Product is free from manufacturing and material defects at the date of purchase and for a period of one (1) year from the date of purchase and it is not-extendable. This Limited Warranty is conditioned upon proper use of Product by Purchaser.

1. This Limited Warranty is valid provided that the owner provides a proof of purchase and properly completed warranty form.

2. This Limited Warranty does not cover: (a) defects or damage (eg. mechanical, thermal or chemical) resulting from accident, misuse (misinterpretation of the instructions), abuse, neglect, unusual physical, electrical or electromechanical stress, water immersion, repairs or structural modification of any part of Product (eg. heat-shrink tube removal), or (b) the Product that has the serial number removed or made illegible; (c) defects or damage from improper operation, maintenance or installation, (d) installation of the products.

3. Requests for warranty are processed as soon as possible, not exceeding seven (7) working days. The company's obligation under this Limited Warranty shall be limited to providing replacement of part/s only.

Contact: [support@gatee.eu](mailto:support@gatee.eu)