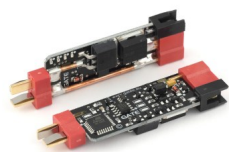
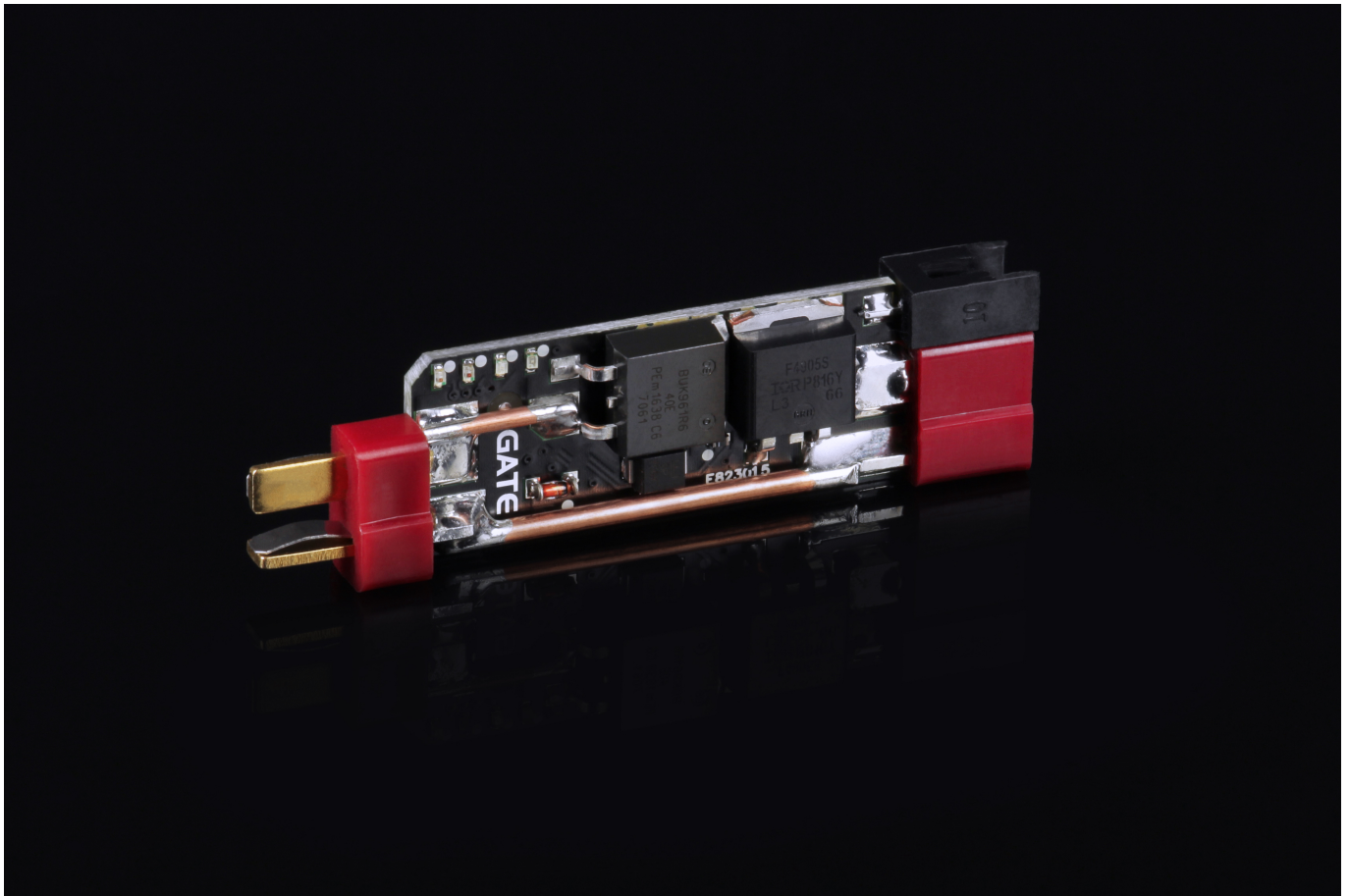


MERF 3.2



Rating: Not Rated Yet

Price

Base price with tax 202,78 PLN

Salesprice with discount

Sales price 202,78 PLN

Discount

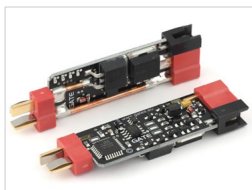
[Ask a question about this product](#)

Description

MERF 3.2™

Multifunctional programmable 3rd generation MOSFET. The system has 10 functions. Its latest feature is the 3-rd Burst Mode, which allows for limiting the number of shots. The system allows for lossless rate of fire adjustment.

It protects Li-Ion batteries: LiPoly and LiFePO4. It has a built-in active brake and it protects contacts against damage. The Smart Trigger function enables achieving faster trigger response. Thanks to two operating modes, the system works with both the original and the modified AEG installation. The system is designed for all replicas and especially for the upgraded ones. It has been adapted to work even with the most powerful springs, including M170.



Key functions



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.

Active Brake

Do you care about realism? Would you like to increase the life of the gearbox? Does your rifle have such high rate of fire that you are not able to make a single shot? Active brake sorts things out.

In SEMI Mode, the brake does not allow for compressing a piston after a shot. The piston will stop in front position which eliminates unnecessary stresses, increasing the service life of gearbox and its parts. It is very important, especially with an AEG power upgrade.

After releasing the trigger, the rifle immediately stops firing. Thus, you gain more realism and, additionally, you do not waste your precious ammunition.

Electronic Fuse

We know how important reliability is on the battlefield. That's why our new MOSFET has thermal protection. In tandem with a time-lag fuse, it





**BATTERY
PROTECTION**



DEBOUNCING



**3rd GEN
MOSFET**



**ROF
CONTROL**



**SMART
TRIGGER**

3rd Burst



**CONFIGURABLE
FIRE
SELECTOR**

Plug&Play



fully protects your AEG installation.

Protection against Over-Discharge of Battery (UVP Protection)

Modern LiPoly batteries are very sensitive to over-discharge. If you do not want to damage the battery and you care about its service life, this protection is indispensable. The microprocessor constantly monitors the battery voltage. When it drops down to a critical level, it will not permit firing.

Debouncing (Digital Interface)

This provides full compatibility with the micro-switches. It is fully resistant to contact bounce. You gain a bigger ROF, a faster trigger response and your MOSFET is less prone to heating.

3rd Generation MOSFET

The usage of modern transistors and microcontroller has enabled us to create the smallest and most reliable AEG Controller in the market.

Rate Of Fire Control

It enables lossless reduction of rifle's rate of fire, so you can use stronger LiPo batteries, and still have ROF just like in a real gun.

Smart Trigger

We know how vital the fast trigger response is during combat. Victory is often a matter of fractions of seconds. This is why we have developed the Smart Trigger function. This function enables you to achieve faster trigger response.

It works with the ROF Control system. During the first shot, the microprocessor sets ROF Control to 100%. After the first shot, it is switched to the previously programmed value, e.g. 30%. As a consequence, the first shot is fired with full rate of fire, and subsequent ones with a reduced ROF. The best results can be achieved by using a battery with higher voltage than a standard one. For example, if we use a 7.4V battery, we can change it to 11.1V. In this way, we will achieve faster trigger response with the same rate of fire as with a standard battery.

3-rd burst mode

Burst mode enables you to make 3-shot series. In this way you can save ammunition and increase the realism. You can change AUTO mode to BURST mode or SEMI* mode to BURST mode.

If in SAFE/SEMI/BURST mode you release the trigger earlier, you can make one or two shots. The burst time is set in the menu with accuracy to 4ms. The processor actively compensates for the change in burst time with a decrease in the rate of fire due to battery discharging.

**SEMI to BURST in enhanced mode only*

CONFIGURABLE FIRE SELECTOR

The function gives you the option to program your fire selector. There are five operating modes:

- STOCK WIRING SEMI/AUTO
- STOCK WIRING SEMI/BURST
- MODIFIED WIRING SEMI/AUTO
- MODIFIED WIRING SEMI/BURST
- MODIFIED WIRING BURST/AUTO

Operating Modes

You can connect the system to a rifle in two ways. Depending on the selected method, you should set a proper operating mode: Plug&Play or Enhanced

Plug&Play: All you need to do is connect the system between the battery and the rifle.

Enhanced Mode: It requires modification of AEG installation. We

connect trigger contacts to MERF. We can do it using the signal wire attached to the kit.

Included in the kit:

- MERF 3.2
- Additional kit of Deans-T Connectors
- Single signal wire for trigger contacts
- Double signal wire for trigger contacts
- Programming button



Warning!

GATE does not guarantee the compatibility of mosfets and ETUs such as TITAN or ASTER with brushless motors. Connection of a brushless motor can cause immediate damage to the device, motor and battery, that is not covered by the warranty and can lead to a fire.

Reviews

There are yet no reviews for this product.