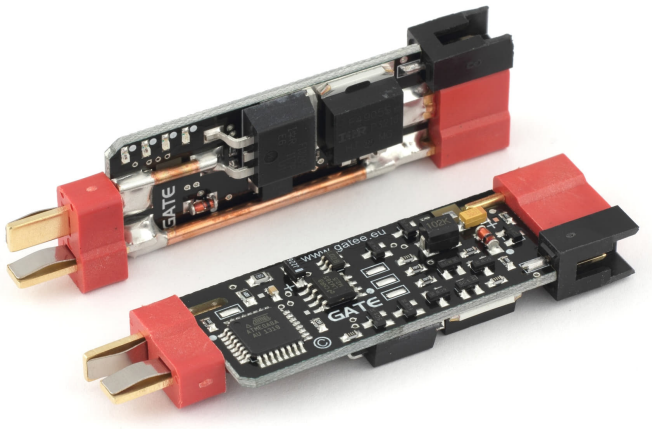

GATE

SKU	Designation	French Law	MSRP
A69479	Programmable Mosfet MERF 3.2 - GATE	Vente libre	71.00 € incl. tax

3rd generation programmable multifunctional MOSFET

Characteristics:

- The AEG controller works well in a wide range of voltages 3.2 - 15V
- Compatibility with the most powerful AEG replicas
- Very simple assembly
- Full protections
- Very low power consumption in standby mode (0.15 mA)
- Very low resistance ~ 2.4m?
- Compatibility with all types of GearBox
- 4 LED display
- DEANS-T connectors

Included in the kit:

- MERF 3.2
- Additional Deans-T Connector Kit
- Single signal lead for trigger contacts
- Double signal lead wire for trigger contacts
- AEG controller programming button

MERF 3.2 allows a setting without loss of the rate of fire; this protects modern Li-Ion batteries: LiPoly and LiFePO4; it has an active brake; and it protects the contacts from damage. The Smart Trigger feature provides faster trigger response. Thanks to the two operating modes, the MERF 3.2 works just as well with the original and modified AEG installation. The AEG controller is designed for all replicas and especially for those that are improved. It has been adapted to work even with the most powerful springs, including the M170.

FUNCTIONS:

MOSFET

Want to get a better rate of fire and a faster reaction of the trigger? Do you plan to increase the power of your rifle? In this case, you need a MOSFET.

It directs the energy of the battery directly to the motor, neutralizing the mechanical contacts of the trigger. As a result, you will get a better shot rate from the rifle and a faster trigger reaction, and the contacts will be protected against burns.

ACTIVE BRAKE

Do you care about realism? Would you like to increase the life of the GB? The rate of fire of your rifle is so high that you are not able to make a single shot? Active Brake will arrange things.

In SEMI mode, Active Brake will prevent compression of the piston after a shot. The piston will stop in the forward position, which will eliminate unnecessary stress while increasing the useful life of GB and its components. This is very important, especially with an upgrade of the power of the AEG.

After releasing the trigger, the rifle automatically stops firing. Thus, you will gain more realism and, moreover, will not lose your precious BBs.

ELECTRONIC FUSE

We know how reliable is on the battlefield. That's why our new MOSFET has thermal protection. In tandem with a timed fuse, it perfectly protects your AEG installation.

BATTERY PROTECTION

Protection against excessive discharges of the battery. Modern LiPoly batteries are very sensitive to excessive discharges. If you do not want to damage the battery and worry about its useful life, this protection is essential. The microprocessor will continuously monitor the battery voltage. When it falls below a critical value, it will prevent firing.

DEBOUNCING

This option offers full compatibility with microswitches. It ensures full resistance to contact rebound (vibrations). You gain a bigger ROF, a faster trigger response and your MOSFET is less subject to overheating.

3rd GENERATION MOSFET

The use of the most modern transistors and microcontroller allowed us to create the smallest and most reliable MOSFET on the market.

CONTROL OF THE CADENCE OF SHOOTING

It allows a reduction without loss of the rate of fire of the rifle. A setting of 30% up to 100% is possible.

SMART TRIGGER

We know how fast trigger response is important in combat situations. Victory is often a matter of fractions of a second. That's why we developed the Smart Trigger function. This feature allows you to get a faster reaction from the trigger.

It works with the rate control system (ROF). During the first shot, the microprocessor sets the ROF control to 100%. After the first shot, it goes to the previously programmed value, e.g. : 50%. Therefore, the first shot is fired at full speed and subsequent hits with a reduced ROF. The best results can be achieved by using a battery having a voltage higher than that of a standard battery. For example, if you are using a 7.4V battery, you can replace it with an 11.1V battery. This way, you get a faster trigger response with the same firing rate as a standard battery.

BURST MODE 3-strokes

Burst mode allows you to perform sets of 3 shots. In this way, you can save BBs and increase realism. You can switch from AUTO mode to BURST mode or from the SEMI * mode to BURST mode.

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

** Change from SEMI to BURST only in Enhanced mode*

CONFIGURATION OF THE FIRE SELECTOR

The function gives you the ability to program your fire selector. There are five modes of operation:

- 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 AEG controller to a rifle in two ways. Depending on the method selected, you will need to set the appropriate operating mode: Plug & Play or Enhanced.

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

Enhanced Mode: This requires a modification of the AEG installation. You connect the trigger contacts to MERF 3.2. You can do this using the signal wire attached with the kit.

Made in Europe, 12 months warranty.