

END USER WARRANTY

If you encounter a problem that you do not understand, DO NOT start disassembling your airsoft gun.

For service or support, US customers please contact JAG Precision at RMA@jagprecision.com

All Echo1/JAG Arms products come with a 45 day warranty from the date of purchase to the original purchaser. It warrants that this product will be free from defects in materials and workmanship during normal use in its original unaltered condition provided 1.) that the customer is able to provide proof of purchase in the form of a receipt from an authorized retailer and 2.) The product has not been abused, altered, defaced or misused* or otherwise damaged through the act or neglect of the consumer or a third party. The warranty does not cover normal wear and tear or used guns. This warranty is not transferable. Warranty coverage period begins from the date of purchase, not when the product was first opened and used. Please make sure that the product is functioning to your satisfaction within the warranty period. Keep all receipts, packaging, and accessories for the duration of this period.

Installation of an HPA engine, removal of the orange tip, use of low quality BBs, use of incorrect or damaged battery and charger, and improper service will void the warranty.

- **We only offer a warranty to customers within the United States.**
- **Discontinued models and used airsoft products carry no warranty.**
- **We do not warranty any upgrade parts such as pistons, gears, barrels, etc. after it has been installed. Damaged goods must be reported within 72 hours upon receiving the item to the retailer you bought from.**

WHAT VOIDS A WARRANTY?

- Removal of orange tip
- Opening or Product repair by anyone unauthorized from JAG Precision
- Use of improper BBs, batteries or propellants
- Misuse, neglect, abuse that may cause product to malfunction
- Used, boneyard, closeout, discontinued airsoft guns carry no warranty
- We do not warranty dropped magazines and damage to magazines caused by improper loading procedure

WHAT CONSTITUTES ABUSED, ALTERED, DEFACED, OR MISUSED?

- Using the incorrect propellant or power source in your airsoft gun
- Personalized markings, customization, paint, custom finishes
- Repairs using non original parts
- Repairs by unauthorized personnel (persons not representing JAG Precision or in our authorized dealer network)
- User installed upgrades
- Dropping or falling on the airsoft gun
- Using low quality BBs
- Altering function or performance outside of original factory specifications

PRODUCT FEATURES

- This AEG (airsoft electric gun) is equipped with a MOSFET for electronic protection and improved electrical efficiency as well as a programmable ETU (electronic trigger unit). Functions can be programmed manually with the pull of the trigger.
- This AEG is wired to use batteries with T-plug style connector. Recommended battery: LiPo/Li-Ion 7.4v to 11.1v, NiMH 9.6v
- Programmable fire modes include semi, burst, full auto, and binary. The default operation is SAFE/SEMI/FULL AUTO.
- The ETU uses fixed active braking and can be programmed for precocking* if desired.
- When a battery is plugged in, the AEG will immediately vibrate from the motor grip, giving 2 quick pulses to indicate that it is powered.
- Programming of firing modes is stored in the ETU's internal memory and does not need to be reprogrammed each time the battery is connected.

CAUTION

1. Inspect the condition of your batteries and AEG wiring before use. Take precaution and avoid accidentally pinching or severing any wires on the AEG or battery. Your AEG and battery might be damaged in the event of a short circuit or an incorrect battery connection (ex. reverse polarity or wrong voltage). This is not covered under warranty and may even cause fire or battery explosion.
2. Do not attempt to program the ETU without fully understanding its functionality. This might cause the AEG to behave not as intended or induce problems.
3. Do not program the ETU to perform in a manner not allowed on your airsoft field in order to circumvent rules or cause intentional harm.
4. Please disconnect the battery when not using your AEG. This ETU maintains a small power consumption even when not in use. Your battery could be ruined if it is excessively drained as a result.
5. Avoid immersing the AEG or its battery in any kind of liquid and keep it away from any thermal shock equipment.
6. Do not rely solely on the safety lever to prevent your AEG from firing. Keep your finger OFF the trigger unless you are intending to fire and be mindful of the orientation of the muzzle at all times. Treat all airsoft guns with respect and assume them to be loaded until personally confirmed by you to be safe.
7. Do not connect the battery when your AEG is pointed in an unsafe direction (such as at yourself, others, or any creatures). Should the AEG fire on its own immediately disconnect and seek professional diagnosis or repair services.
8. Remove the magazine and clear the AEG of BBs in the chamber when not in use or attempting programming. Never assume the AEG to be unloaded or that it cannot be fired without the magazine. Remove the magazine/ammunition source from the AEG. Clear the chamber by firing in a safe direction a few times. Put the selector to safe.
9. If attempting to program the ETU, again, make sure the airsoft gun is not loaded, the chamber is completely empty, and the barrel is facing a safe direction.

PROGRAMMABLE ELECTRONIC TRIGGER UNIT

The standard behavior of this AEG is firing a single shot with a trigger pull and release when the selector is at the "Semi" position and to continuously fire for as long as the trigger is held down when the selector is at "Auto". You are able to alter this behavior by programming the ETU. You can modify one of three parameters:

- Firing modes for when the selector is set to SEMI
- Firing modes for when the selector is set to AUTO
- Precocking of the piston inside the gearbox

ENTER PROGRAMMING MODE AND CHOOSE A PARAMETER TO ALTER

You can program one parameter at a time and will need to reenter programming mode again in order to program a different parameter.

Note: You cannot cancel programming the ETU once you have entered programming mode. If you enter programming mode, you must follow the programming procedure to completion.

Make sure the AEG is unloaded and pointed in a safe direction with a battery plugged in. Switch the selector to the "SEMI" and pull the trigger and hold it down for 3 seconds. The airsoft gun will fire one cycle but hold the trigger down until the AEG vibrates. The AEG will vibrate for 2 long pulses from the motor grip area to indicate it is in programming mode. After this, the AEG will vibrate in groups of rapid pulses. Take notice and count the number of pulses you hear. The number of pulses you represents the currently highlighted parameter that you can choose to program. If no parameter is chosen, the parameter menu will repeat itself.

- PARAMETER 1: FIRE MODES IN THE "SEMI" POSITION (1 pulse)**
- PARAMETER 2: FIRE MODES IN THE "AUTO" POSITION (2 pulses)**
- PARAMETER 3: PRE-COCKING (3 pulses)**

When the AEG vibrates with the corresponding number of pulses to the parameter you want to program, pull the trigger and hold it down for 1 second. The ETU will confirm the parameter you have selected by vibrating for 1 long pulse. Then it will proceed to vibrating in rapid pulses again with the number of pulses corresponding to the option in the sub menu you are in.

SELECT AN OPTION IN THE SUB MENU

Each parameter contains a few options within a sub menu. Now that you have chosen a parameter, a sub menu of options will be indicated to you. As like before, the AEG will vibrate in quick pulses, this time with the number of pulses corresponding to the highlighted available option of the sub menu you are in. If you do not make a selection, the options will repeat. The options based on the parameter sub menu are as follows:

PARAMETER 1: FIRE MODES IN THE "SEMI" POSITION

- OPTION 1: SEMI (1 pulse) - one shot per trigger pull
- OPTION 2: BINARY (2 pulses) - one shot on trigger pull, one shot on trigger release

PARAMETER 2: FIRE MODES IN THE "AUTO" POSITION

- OPTION 1: FULL AUTO (1 pulse) - fire until you let go of the trigger
- OPTION 2: BURST (2 pulses) - fire 3 rounds per trigger pull

PARAMETER 3: PRE-COCKING - THIS FUNCTION IS TURNED OFF BY DEFAULT *

- OPTION 1: PRE-COCK FUNCTION OFF (1 pulse)
- OPTION 2: PRE-COCK POSITION 1 (2 pulses)
- OPTION 3: PRE-COCK POSITION 2 (3 pulses)
- OPTION 4: PRE-COCK POSITION 3 (4 pulses)
- OPTION 5: PRE-COCK POSITION 4 (5 pulses)

When the AEG vibrates with the corresponding number of pulses to the option you want to select, pull the trigger and hold it down for 1 second. The ETU will confirm the option you have selected by vibrating for 2 long pulse. The ETU is now out of programming mode and is ready to fire. Confirm the desired functions by firing your AEG.

PRECOCKING FUNCTION*

***WARNING: The precocking parameter is a user programmable feature for advanced users. It is turned OFF by default. You will void your warranty if damage is caused that comes as a result of incorrect programming and use of this function. The number of shots per trigger pull might not be exactly as intended if precocking is set incorrectly or if the battery is on a full charge or at too low of a voltage.**

For typical Automatic Electric Guns, when the trigger is pulled and the AEG is firing, the internal piston (which is driven by a series of gears spun by an electric motor in the grip) cocks back and releases at the end of the travel. Upon making a complete cycle, the air is forced through the cylinder by the piston during forward travel which is used to drive the BB out of the barrel and to your intended target. All parts inside of the AEG gearbox are controlled mechanically.

Manipulating the position of the piston prior to firing is known as precocking. The ETU equipped in this AEG manages precocking electronically and can be disabled or can be altered to 4 preset positions if you activate it.

Some users may wish to precock the piston in order to augment the behavior of the airsoft gun with the intention of shortening the delay from trigger pull to BB shot. This is an advanced feature and may not work as intended if using aftermarket parts or incorrectly programmed. The state of charge of the battery plugged to the AEG might affect the reliability of this function as well. Precocking is turned off to maintain the most reliable function to your AEG by default.