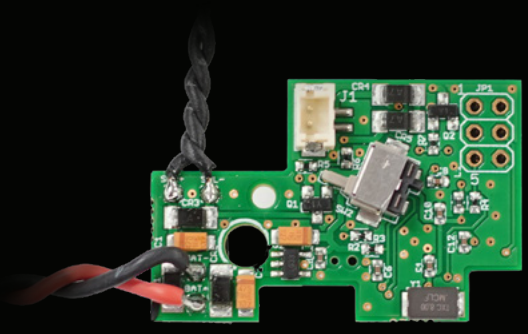
AEG

SPARTAN ELECTRONICS OWNER'S MANUAL



WOLVERINE AIRSOFT

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Table of Contents

Getting Started	3
Installation	4
Semi / Auto / Burst Switching	6
Rate of Fire Programming	7
Tuning/Dwell Programming	8

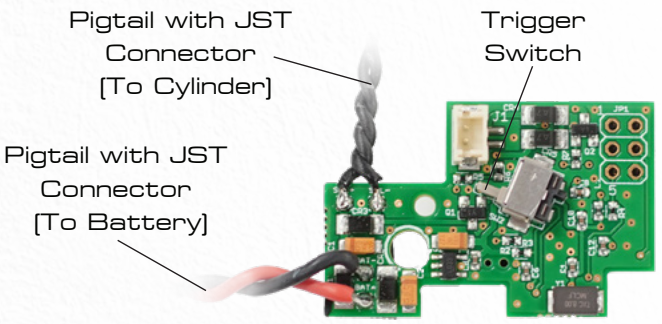
Don't Forget to Register Your Warranty!

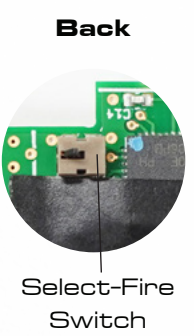
Your Spartan Electronics board is backed by Wolverine Airsoft's limited warranty. Scan the QR code or visit www.wolverineairsoft.com/warranty to read our full warranty and register your product.

* If you purchased your FCU with an engine, you only need to register your engine kit.

Getting Started

The Spartan Electronics board combines a trigger board and FCU into one powerful board. Before you begin, please see the diagrams below and familiarize yourself with each component.

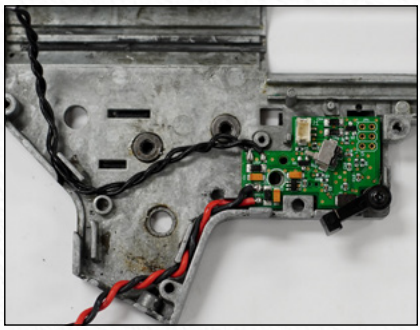




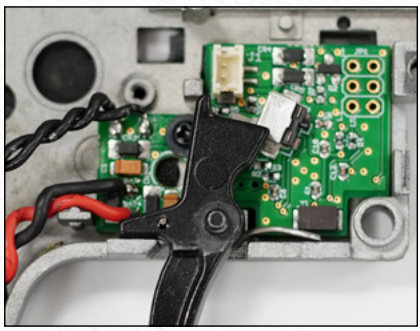
Installation

The Spartan Electronics for AEG board is designed to easily drop into a V2 gearbox. Separate the gearbox from the AEG and remove the trigger spring and the small screw holding the board in place.

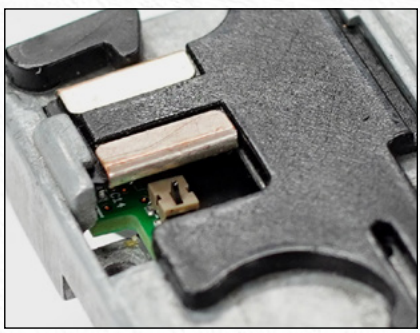
Place the Spartan Electronics board into the gearbox and secure it with the screw that you removed previously. Do not overtighten the screw. Run the red/black pigtail through the gearbox wire guides.



Reattach the trigger and spring, ensuring the trigger makes contact with the trigger switch on the board and the selector plate makes contact with the select-fire switch on the back.



Ensure that the selector plate makes proper contact with the select-fire switch. If the selector plate has a sharp edge, it may be necessary to file it down so it does not damage the select-fire switch. If the selector plate is too wide, it may be necessary to cut a portion so that it can clear the switch when your AEG is set to semi-auto.



Fore more detailed guides on engine installation, please visit http://www.wolverineairsoft.com/documentation

Semi / Auto / Burst Switching

The Spartan Electronics board can be cycled through different fire modes as listed below. To advance to the next fire mode, set your gun to semi mode and hold the trigger. After 10 seconds, the board will advance to the next setting.

Fire modes

- Semi / Full Auto [Default in US]
- Semi / 3-Round Burst
- Semi / Semi [Default in UK]

*Boards sold in Germany are locked in Semi / Semi mode.

Rate of Fire Programming

1. Enter programming mode by unplugging the battery, holding down the trigger and then plugging in the battery. The gun will now fire every time the trigger is **released**, indicating you are in programming mode.

2. Set the select-fire switch to **full-auto** to enter ROF programming mode.

3. Pressing and holding the trigger will produce a 3-round burst once every second, gradually increasing each time. Once the maximum setting is reached, the board will cycle to the lowest setting and repeat the process. When the desired ROF is reached, release the trigger.

4. Exit programming mode by disconnect the battery.

Tuning / Dwell Programming

Before you start, you will want a loaded magazine, a filled tank with your regulator set to your desired operating pressure. For best results, we recommend using a chronograph.

1. Enter programming mode by unplugging the battery, holding down the trigger and then plugging in the battery. The gun will now fire every time the trigger is **released**, indicating you are in programming mode.

2. Set the select-fire switch to **semi-auto** to enter dwell programming mode.

3. Insert your loaded magazine and plug in the air line.

4. With the gun pointed through the chronograph, press and hold down the trigger. The gun will fire once per second, reducing the dwell with each shot. Watch the chronograph and release the trigger when you see a drop of about 10 fps. If you do not have a chronograph simply watch for the trajectory of the BB to drop indicating a loss of velocity.

5. Double-tap the trigger to increase the dwell to the previous setting.

Note: You may test fire by pressing and releasing the trigger to verify that setting is correct. Double tapping the trigger will increase the dwell further if necessary. If you hold the trigger down long enough to cycle through all the dwell settings the gun will shoot twice indicating that it has cycled back to the highest dwell setting.

6. Exit programming mode by disconnect the battery.

Need professional help?

To find a retailer close to you visit:
www.wolverineairsoft.com/dealers

www.wolverineairsoft.com