

## Falcon Electronic Fire Control Unit 3.0 Owner's Manual

Deans connector is required

Choose from following 4 modes:

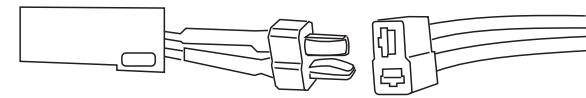
Mode 1: 3 rounds burst, 6 rounds burst, AUG trigger mode

Mode 2: Trigger sensitivity adjustment

Mode 3: Binary trigger mode

Mode 4: Precocking

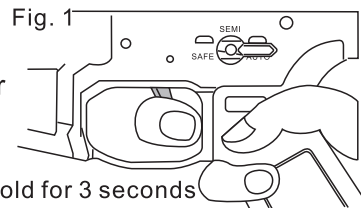
### Operations Of Modes



Deans Connector

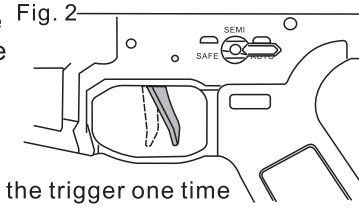
#### Mode 1: 3 or 6 rounds burst, AUG trigger mode

① Set the selector to Safe, press and hold the trigger for 3 seconds until the motor emits vibration sounds. (Fig. 1)



Press and hold for 3 seconds

② Release and press the trigger 1 more time, Mode 1 is activated. (Fig. 2)



Pull the trigger one time

③ 1. Press the trigger 1 time for 3 round burst.  
2. Press the trigger 2 times for 6 round burst.  
3. Press the trigger 3 times for AUG mode (Fig. 3)

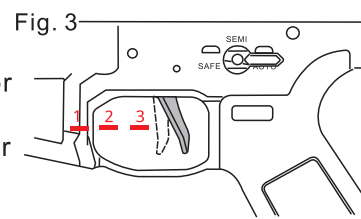


Fig. 3

④ Set the selector to Auto, then pull the trigger to fire. (Fig. 4)

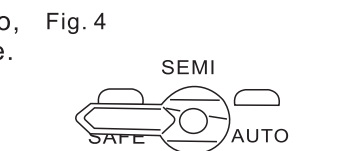
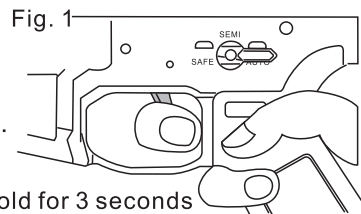


Fig. 4

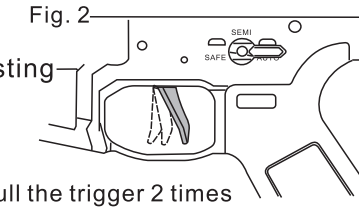
#### Mode 2: Trigger Sensitivity Adjustment

① Set the selector to SAFE, press and hold the trigger for 3 seconds, release after the motor emits vibration sounds. (Fig. 1)



Press and hold for 3 seconds

② Pull the trigger twice to enter the sensitivity adjusting mode. (Fig. 2)



Pull the trigger 2 times

③ 1. Press the trigger 1 time for High sensitivity.  
2. Press the trigger 2 times for Medium sensitivity.  
3. Press the trigger 3 times to restore Factory default settings. (Fig. 3)

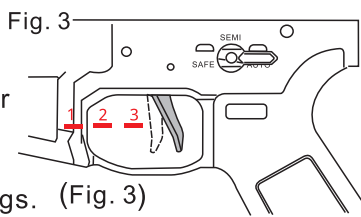


Fig. 3

④ Sensitivity settings apply to both Semi and Auto. (Fig. 4)

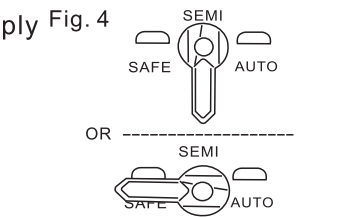
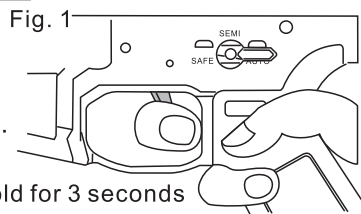


Fig. 4

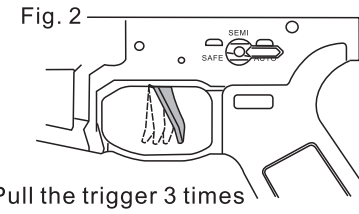
#### Mode 3: Binary Trigger Mode

① Set the selector to SAFE, press and hold the trigger for 3 seconds, release after the motor emits vibration sounds. (Fig. 1)



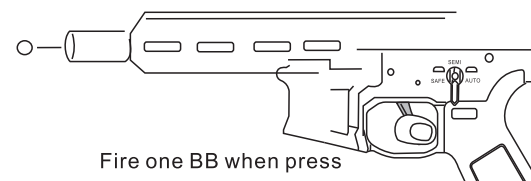
Press and hold for 3 seconds

② Then pull the trigger 3 times. (Fig. 2)

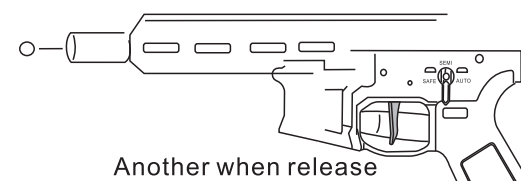


Pull the trigger 3 times

③ Set the selector to SEMI, then pull the trigger one time, the replica will fire one when the trigger is pulled and another after the trigger is released. ( Fig. 3)  
(To cancel the Binary trigger mode, repeat the steps outlined above.)



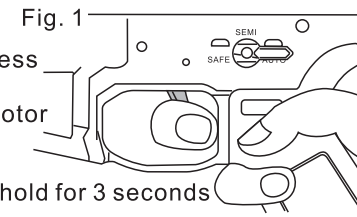
Fire one BB when press



Another when release

#### Mode 4: Precocking

① Set the selector to SAFE, press and hold the trigger for 3 seconds, release until the motor emits vibration sounds. (Fig. 1)



Press and hold for 3 seconds

② Pull the trigger for 4 times, the precocking function is activated after you hear four times vibration sounds. (Fig 2 & 3)

③ To deactivate the precocking function, repeat the steps outlined above. (Fig. 4)

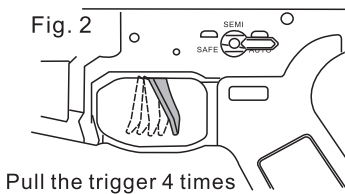


Fig. 2

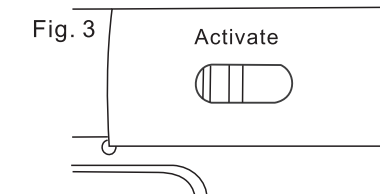


Fig. 3

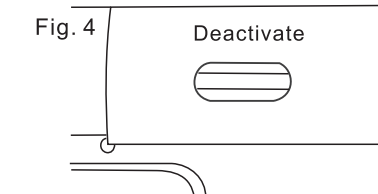


Fig. 4

**Caution: Every time load parameters (spring, motor or voltage etc.) are changed or reset the precocking, times of trigger pull on Semi mode is needed to complete adaptive adjustment to make the precocking function activated normally.**

#### Reset To Default

Set the selector to Safe, press and hold the trigger 3 seconds, don't let go when hearing three vibration sounds, hold for another 2 seconds until you hear a long vibration sound, release the trigger, the modes will reset to the default state.

#### Battery Protection

① The falcon is compatible with 7.4v and 11.1v batteries and operates between 6v and 14v, in case the voltage is too high or too low, the system will emit alarms and stop working.

Caution: The corresponding minimum working voltages of 7.4v and 11.1v lithium batteries are 5.6v and 9.5v respectively. If the battery power is too low, please stop using it and replace the battery immediately.

② If the battery is low during use, the motor will beep 5 times. Please charge the battery fully before using it.

③ When not in use, please unplug and remove the battery.

#### ETU Malfunction

① Low battery voltage: 5 vibration sounds. ② High battery voltage: 3 vibration sounds.

③ Gear stuck or turntable problem: 2 vibration sounds. ④ Trigger error: Continuous vibration sounds.

⑤ Memory error: Slow vibration sounds.

#### Safety Feature

① Power safety is activated in the event of a power outage. The product will cease functioning if the selector is on Semi or Auto. To resume normal operation, the selector must be set to Safe before use.

② The settings will be retained even if you replace the battery.

#### Sleep Mode

The power will automatically shut down after 2 hour of inactivity. To continue shooting, you need to disconnect the power and wait for 5 seconds before reconnecting the power.

#### Calibration

When the program goes abnormal, need to perform the calibration.

Switch the selector to Auto, then reconnect the battery, pull and hold the trigger for three seconds until hearing three beeps, then pull the trigger 6 times till 6 beeps is heard to start calibration. Pull and hold the trigger, release until 6 beeps is heard, switch the selector lever to Safe, pull the hold the trigger, release after 6 beeps is heard. Then the calibration is complete.

**Caution: During calibration, make sure to listen to all 6 beeps before releasing the trigger. If you release the trigger too early, a calibration error prompt tone will be heard.**