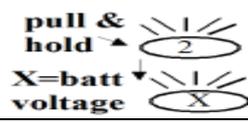
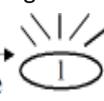
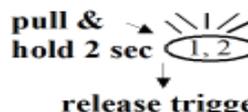
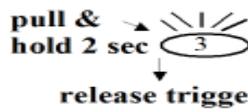
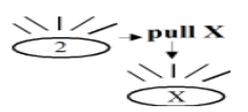
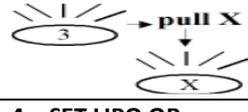
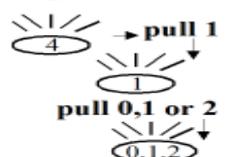
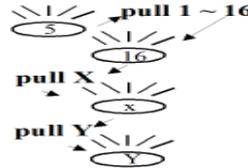


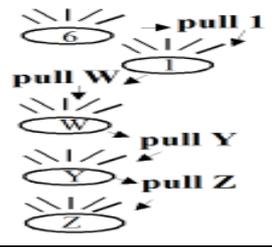
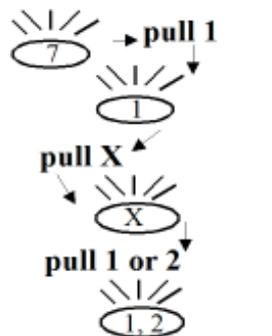
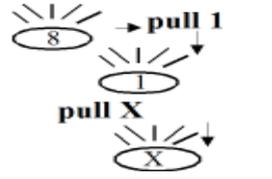
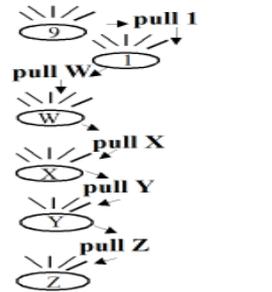
QUICK START BURST WIZARD™ 3 MULTI-BURST (BW3) - MILSIM MOSFET - CE & RoHS CERTIFIED (PAGE 1)

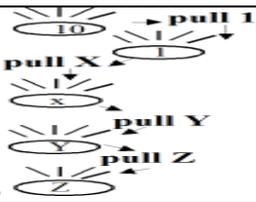
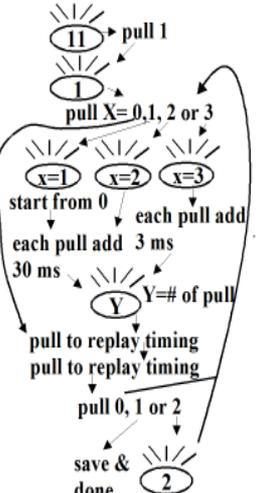
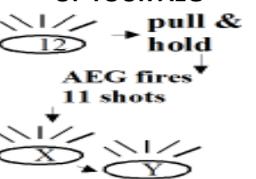
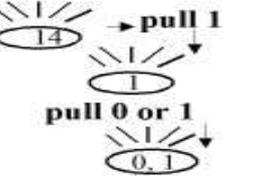
MODE OF OPERATION	HOW TO SET UP YOUR BW3	RESULT
3-ROUND BURST & 0.6 SEC. RESUME FULL-AUTO	No setup is required. Just connect your BW3 in-line between battery and AEG. Then wait 4 sec to play	Enjoy your BRAND NEW AEG with 3-round burst. Hold trigger 0.6 sec after burst to resume fullauto.
SET UP BW3 TO FIRE: PERFECT X-ROUND BURST (Run CMD # 2 to set burst cnt = 1. If not perfect, run CMD # 7 to calibrate AEG. Repeat for burst cnt = 3)	*If use LIPO, run CMD # 4 to enable protection first* If AEG fires 1 or ½ a shot LESS: CMD # 7. Pull 1 to allow input, pull 4 to set to 4. Wait for 3 quick blinks. If 4 not perfect, re-enter: 1 to 9 for it to fire perfect. If AEG fires 1 or ½ a shot MORE: CMD # 7. Pull 1 for input, pull 14 . If 14 not perfect, re-enter: 11 to 19.	Once calibrated for 1- & 3-burst, your AEG fires perfectly unless you change gearbox internal or use different battery type: Like from NIMH to LIPO etc. Advanced users: Always calibrate AEG fire exactly 1-round burst first by using CMD # 2 & 7. Then run CMD # 5 to get perfect real steel cycle-gear ROF reduction!
DISABLE RESUME FULL-AUTO 	Immediately after battery is plugged to your BW3: 1) PULL & HOLD trigger for 2 seconds to see your BW3 blink and hear the motor beep 2 TIMES. 2) KEEP HOLD ON TO the trigger until BW3 announces the battery voltage (See Page 4) 3) Release & wait 4 sec for the dim light to turn on	BW3 fires burst rounds only (No resume fullauto!). Adjust burst count by using CMD # 2 – SET BURST COUNT. NOTE: With resume FULLAUTO disabled, you can toggle between SEMI (1-burst) & current burst count by holding trigger for 1.2 seconds after BURST ends.
ENABLE FULLAUTO 	Same as above, except BW3 blinks and beeps 1 TIME (In other word, each time you pull & hold the trigger at power up until batt. voltage beeps out to you, you are toggling resume fullauto on/off)	BW3 fires burst rounds. Resume FULLAUTO firing if trigger is held. NOTE: Adjust resume FULLAUTO delay by using command # 3 
ENABLE PWM MODE ROF FIRING 	Immediately after battery is plugged into your BW3: 1) PULL & HOLD the trigger for 2 seconds to see and hear BW3 blink and beep 1 or 2 TIMES. 2) Release the trigger right away (You have 1 second to release before voltage announces) 3) Wait 4 sec. LED light is off in PWM ROF mode	BW3 fires at FULLAUTO mode only with no burst control. But you still get the benefit of MOSFET's soft start and trigger switch protection! With BW3, you can also adjust PWM mode ROF speed from 100% down to 40% by CMD # 5– SET PWM ROF % : Input=16 (Setting ROF % less than 50 % may stop or stall AEG)
DISABLE PWM ROF 	Immediately after battery is plugged into your BW3: 1) PULL & HOLD the trigger for 2 seconds to see and hear BW3 blink and beep 3 TIMES. 2) Release the trigger right away (You have 1 second to release). Wait 4 seconds for LED ON	BW3 fires in burst rounds mode again ! NOTE1: USE CMD # 15 RESET BW 3 TO FACTORY SETTING IF IT DOESN'T WORK PROPERLY. NOTE2: SEE TRICK4 IF AEG FIRES BURST ROUND AGAIN & AGAIN WITHOUT STOPPING.

--- (BW3) BURST WIZARD™ 3 MULTI-BURST 100% MILSIM MOSFET COMMANDS ---

To activate a command, PULL & RELEASE trigger the # of times equal to the command # within 4 seconds after battery is plugged in (IMPORTANT!! FOR EVERYONE'S SAFETY, ALWAYS WEAR GOGGLE & REMOVE MAGAZINE FROM AEG WHEN SETTING UP YOUR BW3)

COMMAND #	COMMAND SET UP PROCEDURE (NOTE: DO NOT UNPLUG BATTERY TO BW3 DURING SETUP)
2 – SET BURST COUNT 	1) BW3 blinks 2 times (NOTE: If needed, only unplug battery at the end of a command. This one is after 4) 2) Pull & release the trigger the # of times that you want your NEW burst count to be from 0 to 9 (0 = NO PULL) 3) BW3 blinks the # of times per your input (0 means no burst firing. See CMD # 3 for fullauto only MILSIM firing) 4) BW3 blinks 3 QUICK times to tell you that it has saved your setting & ended command Wait 4 seconds for the light to stay on before firing your new burst rounds NOTE: means LED blinks 2 times 
3 - SET RESUME FULLAUTO DELAY 	1) BW3 blinks 3 times. Pull & release trigger # of times of 0.1 second you want to add to resume FULLAUTO delay 2) BW3 blinks the # of times per your input. Then BW3 blinks 3 QUICK times to save your setting 3) Wait 4 seconds for the LED light to come on at dim mode before firing with your new delay (Note: for 0.1 second delay, pull & release 1 time. For 1 sec delay, pull & release 10 times (10 x 0.1 = 1 second). TRICK : pull nothing at 1) until times out for 0 sec delay. If CMD # 2 count = 0, then you have fullauto only!
4 – SET LIPO OR LiFePO4 	1) BW3 blinks 4 times (* For BW3 fire burst count accurately with 11.1V LIPO, enable LIPO protection first ! *) 2) Pull & release trigger 1 time to allow LIPO or LiFePO4 protection status change (Pull 2 times means no change to the value stored. BW3 blinks 2 times and go to step 5) 3) BW3 blinks 1. Pull trigger 1 time to enable LIPO, 2 times to enable LiFePO4 protect. 0 (no pull) for NO PROTECT. 4) BW3 blinks 0, 1 or 2 time per input at step 3. See TRICK4 on page 4 on why using 4, 5 or 6 as input instead 5) BW3 blinks 3 QUICK times to tell you that it has saved your setting & ended the command 6) Wait 4 seconds for the light to stay on before firing again. See page 4 for BW3's LIPO / LiFe low volt responses
5 – SET ROF 	1) BW3 blinks 5 times (BW3 supports PWM type & MILSIM 100 % power - full speed cycle-gear ROF reduction) 2) Pull & release the trigger 1 ~ 15 times for Cycle-Gear ROF reduction mode or 16 times for PWM ROF % input (No pulls disables PWM & full speed CYCLE-GEAR ROF reduction mode. BW3 goes to step 8) 3) BW3 blinks # of pulls in 2) e.g. 5 adds 5x0.005 =.025 sec in between Firing. BW3 goes to step 8. BW3 gives realistic ROF of a real steel with FULL SPEED gear cycling! A 0.005 sec pause reduces 25 ROF to 22 4) PWM TYPE: BW3 blinks 16 times. Pull trigger for the 10 th digit # X of your new % (e.g. pull 9 times for 90%) 5) BW3 blinks the # of times per your input above so that you know what you've just entered

COMMAND #	COMMAND SET UP PROCEDURE <i>(DO NOT UNPLUG BATTERY TO BW3 DURING SETUP)</i>
5- SET ROF PWM (Fullauto only. For REAL STEEL slow down BURST, see CMD # 6)	6) Pull trigger the # of times for the unit digit # Y of your new % (e.g. pull 5 times means 5%) 7) BW3 blinks the # of times per your input (Note: Minimum PWM ROF % allowed = 40%) 8) BW3 blinks 3 QUICK times to save your setting (Note: Enter 99 equals to 100% ROF) 9) Wait 4 seconds before firing new ROF % (The above example is for 95% ROF firing) (Note: LED NOT ON)
6 – MULTIPLE BURST 	1) BW3 blinks 6 times *** (NOTE: The 1st burst round is always set by using COMMAND # 2) *** 2) Pull Trigger 1 time to allow multiple burst rounds to be input (No pulls or pulling 2 times means disable the multiple burst. BW3 resumes to one x-round burst from CMD # 2. BW3 blinks 2 times and go to step 7) 3) BW3 blinks 1 time. Pull trigger W times for delay of w x 0.015 sec bet. burst (w=5: 5 x 0.015 = 0.075 sec) 4) BW3 blinks w times. Pull trigger Y times to set up 2 nd burst round count (e.g. Y=3 means 3 round burst) 5) BW3 blinks y times. Pull trigger Z times to set up 3 rd burst round count (e.g. Z=2 means 2 round burst) 6) BW3 blinks Z times (If you didn't pull trigger at 5, you would get 2 rounds of burst firing instead !) 7) BW3 blinks 3 QUICK times and save your setting (Set to 1-1-1 for MILSIM slowdown 3-round Burst) 8) Wait 4 seconds to fire (Now you can fire 3-2-1, 3-3-3, 1-1-1, 3-3, 3-2, 3-1, 1-1 multi-burst rounds)
7 – SET SENSITIVITY & SPRING ADVANCE 	Note: For very fast ROF, or AEG running with 11.1V LIPO where burst count # may not be exactly at what you have set up the BW3 for. If it fires 1 or a 1/2 of a burst shot LESS THAN expected, select a number from 1 thru 9 to input to adjust the BW3. Start with # 4. If BW3 fires 1 or 1/2 burst shot MORE THAN expected. Input a number from 11 thru 19 to adjust it. Start with 14 first. (You have ONLY 9 seconds to finish trigger pulls) 1) BW3 Blinks 7 times. Pull & release the trigger 1 time to enable sensitivity change option (No pulls or pulling 2 times means no change to the value stored. BW3 blinks 2 times and go to step 5) 2) BW3 blinks 1 time to tell you that you can enter your sensitivity value now 3) Pull & release trigger # of times for the sensitivity value that you want (NO PULL MEANS RESET TO 0) 4) BW3 blinks # per input (IF YOU DIDN'T INPUT AT 3), WAIT ONE QUICK BLINK FIRST BEFORE STEP 5) 5) SPRING ADVANCE . Pull trigger 1 time to enable SPRING ADVANCE. No pulls or 2 times to disable it 6) BW3 blinks 0, 1 or 2 times depends on your input at 5) 7) BW3 blinks 3 QUICK times to tell you that it has saved your setting & ended the command 8) Wait 4 seconds for the LED light to stay on before firing with your new options (Note: SPRING ADVANCE is for some AEGs that the spring is not fully relaxed after burst mode firing. Normally, you don't need to set this at all. But together with sensitivity setting & cmd # 10 your BW3 fires consistently on any AEGs) BW3 STORES 2 SENSITIVITY VALUEs FOR 1-ROUND & X-RND BURST SEPERATELY! NOTE: If your AEG still doesn't fire a full cycle sometimes, use CMD # 10 to add precocking time to it !
8– SET SNIPER DELAY 	1) BW3 blinks 8 times (NOTE: sniper delay is MILSIM feature forcing a programmable fixed delay after a shot) 2) Pull & release the trigger 1 time to allow sniper delay status change (No pulls means no sniper delay. BW3 needs about 14 seconds to time out and go to step 5) 3) BW3 blinks 1 time Pull trigger # of times 0.2 sec you want to add (No pulls disable sniper delay) 4) BW3 blinks # of times per your input in 3) (e.g. 5 times means 1 second delay: 0.2 x 5 = 1 second) 5) BW3 blinks 3 QUICK times to tell you that it has saved your setting & ended the command 6) Wait 4 seconds for the LED light to stay on at dim mode before firing again
9 -MAGAZINE CHANGE DELAY & CAPACITY 	1) BW3 blinks 9 times (NOTE: MILSIM feature to emulate a delay in switching magazine after X BB fired) 2) Pull the trigger 1 time to allow magazine change delay setting (No pulls or pulling 2 times means set magazine change delay time to 0 and disable the function. BW3 blinks 2 times and go to step 10) 3) BW3 blinks 1 time. Then Pull the trigger the # of times of W seconds you want to add onto the magazine change delay time. Valid inputs are 1 ~ 15 seconds. (No pull means disable the function) 4) BW3 blinks # of times per input. (NOTE: 16 means delay forever. See page 4 for adding a reset switch) 5) MAGAZINE CAPACITY: Pull trigger for 100 th digit X of capacity (1 pull =100, 25 =2500. No pulls = 0000) 6) BW3 blinks # of input (IF YOU DIDN'T ENTER 100TH DIGIT #, WAIT 1 QUICK BLINK FIRST BEFORE STEP 7) 7) Pull trigger for 10 th digit Y of the capacity (1 pull =10, 2 pulls =20. No pulls = 00). BW3 blinks your # Y. 8) Pull trigger the unit digit # Z of your magazine capacity (e.g. pull trigger 5 times means 5. No pulls = 0) 9) BW3 blinks for # of times per input (If input=20 for 100th digit, 5 for 10th and 0 for unit, then BB = 2050) 10) BW3 blinks 3 QUICK times to save setting. ** BW 3 also beeps 4 quick times when BB count is down to 0
10 – SET PRECOCKING & BATT DECAY TIME To TOGGLE precocking on / off, pull & release trigger one time at power up. Wait 7 sec. See 1 blink plus 3 quick blinks: means disabled; Next time, see 3 quick blinks only means : ENABLED	1) BW3 blinks 10 times (Precocking can also be used to set spring to most relaxed position for some AEG !) 2) Pull & release the trigger 1 time to enable input of the 10 th digit # for the pre-cocking delay (No pulls or pulling 2 times means no change to the value stored. BW3 blinks 2 times and go to step 9) 3) BW3 blinks 1 time. Now, pull & release the trigger the 10 th digit # X of your pre-cocking delay (e.g. pull & release the trigger 1 time means 10 milliseconds, 2 times means 20 milliseconds. No pulls means 00 sec) 4) BW3 blinks # per input (IF YOU DIDN'T INPUT 10TH DIGIT #, WAIT 1 QUICK BLINK FIRST BEFORE STEP 5) 5) Pull & release trigger the unit digit # Y of pre-cocking delay (e.g. pull & release the trigger 1 time means 1 millisecond, 2 times means 2 milliseconds. No pulls means 0 millisecond) 6) BW3 blinks # of input (IF YOU DIDN'T INPUT UNIT DIGIT #, WAIT 1 QUICK BLINK FIRST BEFORE STEP 7) (NOTE: The above steps allow you to set the pre-cocking delay from 0 to 99 milliseconds) BATT. DECAY COMPENSATION (* NOTE: To clear precocking time to 0, do not pull trigger at 3) and 5) *)

COMMAND #	COMMAND SET UP PROCEDURE (DO NOT UNPLUG BATTERY TO BW3 DURING SETUP)
	<p>7) Pull & release the trigger the unit digit # Z of your battery decay compensation time. e.g. pull & release the trigger 2 times add 2 millisecond to precocking delay per 0.2 volt decay of battery from its start voltage when you first plug it in (if start V = 11, final V = 9, Z=1 : Delay=(11-9)/(1x0.2)= 10ms) No pulls = 0 = no compensation.</p> <p>8) BW3 blinks for the # of times per your input (0 to 9 equivalent to 0 millisecond to 9 milliseconds)</p> <p>9) BW3 blinks 3 QUICK times to tell you that it has saved your setting & ended the command</p> <p>NOTE: If you only want battery decay compensation with no precocking, set precocking to 1 ms not zero !</p>
<p>11 – TRAIN TO FIRE BURST</p> 	<p>Use this to set burst count to exactly 1 or any specific timing for any AEG if CMD # 2 & COM # 7 not perfect!</p> <p>1) BW3 blinks 11 times</p> <p>2) Pull & release trigger 1 time to train (Pull 2 times to clear timing stored. It blinks 2 times and go to 12)</p> <p>3) BW3 blinks 1 time</p> <p>4) Pull & release the trigger 1 time to start from fresh timing in 30 millisecond steps. 2 times to adjust from previous stored timing in 30 millisecond steps and 3 to adjust the stored timing in 3 millisecond steps. No pulls allows you to replay last stored timing! BW 3 will blink twice in 3 seconds & go to step 6 to replay)</p> <p>5) (If step 4 is 1) Pull Y times to input new timing. If step 4 is 2 or 3, Y to adjust timing from old stored timing. If Y is <= 10, Y adds to the stored timing. If Y is > 10, then value (Y-10) subtracts from the stored timing. e.g. Y= 3 and # of pulls in step 4) is 1 or 2, then it means add 90 ms to the stored timing (3x30=90 ms) e.g. Y= 12 and # of pulls in step 4) above is 3, then it means subtract 6 ms from the stored timing (This is how it works: (Y-10) that is 12-10 = 2. So, 2x3ms = 6ms. Since Y >10 so the stored timing minus by 6ms).</p> <p>6) When you are ready pull and hold the trigger to play out the stored burst timing to check if it is right.</p> <p>7) Release and pull the trigger again to confirm the burst timing one more time.</p> <p>8) If the timing is right, pull trigger 1 time to save. No pull or pull 2 times goes back to 4) to adjust again !</p> <p>9) BW3 blinks 3 QUICK times to tell you that it has saved your setting & ended the command</p> <p>10) Wait 4 sec to your own burst timing (Note: Multi-Burst will fire 3 identical Burst from your own timing !)</p> <p>(NOTE: Your own burst timing will be erased whenever you use CMD # 2 to set up burst cycle counts)</p>
<p>12 – ANNOUNCE ROF OF YOUR AEG</p> 	<p>1) BW3 blinks 12 times (With BW3, you know what the ROF is without needing a chronograph!)</p> <p>2) When you are ready, PULL & HOLD the trigger until your AEG fires all 11 rounds for ROF measurement</p> <p>3) Continue to hold the trigger for the BW3 to blink and beep out the ROF of your AEG</p> <p>4) Your BW3 will blink out the 10th digit of the ROF follows by the unit digit (e.g. 1 blink follows by 6 blinks means ROF is 16 rounds per sec. If it just blinks 8 times without a break, then the ROF is 8 rounds per sec)</p> <p>5) Release the trigger now! BW3 blinks 3 QUICK times end the command</p> <p>6) Wait 4 seconds for the LED light to stay on at dim mode before firing your AEG again</p> <p>To get accurate ROF result, you need to tune AEG to fire exact 3-round burst perfectly using CMD # 2 & 7</p>
<p>14–SET TAP BURST / FUSE</p> 	<p>1) BW3 blinks 14 (When tap burst ON, DON'T set selector to SEMI ! It fires burst & may DAMAGE cutoff lever)</p> <p>2) Pull trigger 1 time to allow TAP burst mode firing; hardwired only. No pulls or 2 times means no change to the value stored. BW3 blinks 2 times & go to 6)</p> <p>3) BW3 blinks 1 time (BW3 allows additional inputs as shown in BOLD here)</p> <p>4) Pull trigger 1 time to enable TAP burst or no pull to disable it (pull 4 if BW3 fuse false trips easily)</p> <p>5) BW3 blinks 0 or 1 time depend on input (pull 5 if BW3 fuse false trips + enable TAP burst)</p> <p>6) BW3 blinks 3 QUICK times to save your setting (pull 8 to disable fuse & motor protect)</p> <p>7) Wait 4 sec for light to stay on (pull 9: No fuse & motor protect function but enable TAP burst)</p>
<p>15 - RESET SETTINGS</p>	<p>1) BW3 blinks 3 QUICK times and then light is on in 4 seconds (ALL SETTINGS BACK TO FACTORY VALUES)</p>

COMMAND # 13 - REPORTS ALL THE USER'S SETTING STORED IN THE BURST WIZARD™ 3 MULTI-BURST

## OF BLINKS	FOLLOWS BY LIGHT BLINKING PATTERNS: (IF FUNCTION IS ENABLED)	(IF FUNCTION DISABLED)
2 –Burst Count	BW3 blinks out # of burst count (0 ~ 10 times) (10 times is your own burst timing)	
3 –Fullauto Delay	BW3 blinks 1 time follows by # of blinks (0.1 second added) to the FULLAUTO delay	BW3 blinks 2 times
4 - LIPO Protection	BW3 blinks 1 time follows by 1 blink for LIPO protection, 2 for LiFe protection	BW3 blinks 2 times
5 – ROF %	BW3 blinks 1 time follows by ROF delay #, by 10 th digit PWM ROF %, by unit digit ROF %	BW3 blinks 2 times
6 – Multiple Burst	BW3 blinks 1 time follows by X blinks of burst delay, by 2 nd Y burst, by 3 rd Z burst count	BW3 blinks 2 times
7 – Sensitivity	BW3 blinks 1 time follows by the # of current burst count sensitivity value (from 1 to 19)	BW3 blinks 2 times
8 – Spring Advance	BW3 blinks 1 time follows by 1 blink	BW3 blinks 2 times
9 – Sniper Delay	BW3 blinks 1 time follows by the # of blinks (0.2 second added) to the SNIPER delay	BW3 blinks 2 times
10–MAG. Delay	BW3 blinks 1 time follows by # of blinks of # of sec added to MAGAZINE change delay	BW3 blinks 2 times
11 –Magazine CAP.	BW3 blinks 100 th digit, follows by 10 th digit, follows by the unit digit of magazine capacity	
12 – Precock Delay	BW3 blinks 1 time follows by 10 th digit # precocking, by unit digit# precocking millisecond	BW3 blinks 2 times
13 – Battery Decay	BW3 blinks 1 time follows by unit digit of Battery Decay Compensation in millisecond	BW3 blinks 2 times
14 – TAP Burst	BW3 blinks 1 time follows by 1, 5 or 9 blinks to enable TAP. (Hardwired mode only)	BW3 blinks 2. Or 1: 4 or 8

You get warning once every 16th shots if the battery is in the low voltage warning zone and shut-off when shut off voltage is reached.

2 TIMES DOUBLE BLINKING + MOTOR BEEP	LOW VOLTAGE LIPO (12.4V FOR 14.8V, 9.4V FOR 11.1V AND 6.8V FOR 7.4V BATT.)
	WARNING: LiFePO4 (14.2V FOR 16.5V, 11.4V FOR 13.2V AND 8.6V FOR 9.9V BATT.)
3 TIMES DOUBLE BLINKING + MOTOR BEEP	LOW VOLTAGE LIPO (12.2V, 9.2V & 6.6V for the above batteries respectively)
	AEG SHUT-OFF: LiFePO4 (14.0V, 11.2V & 8.4V for the above batteries respectively)

HOW TO READ - BATTERY VOLTAGE ANNOUNCEMENT FROM YOUR BURST WIZARD™ 3 MULTI-BURST

Battery voltage is announced with long blinking interval (0.5 second) for unit volts, short blinking interval (0.25 second) for decimal voltage.

For example: 9.6V is x x x x xxxxxx. The first blink always represents 6 volts, so 4 long blinks and 6 short blinks mean 9.6V.

PROCEDURE 1 – TOGGLE BETWEEN SEMI AND CURRENT BURST COUNT DURING A GAME (Resume fullauto is off)

Pull & hold the trigger after last burst firing. After 1.2 seconds, the motor shakes 2 times to signal you have toggled the burst count. If you were at 3-rnd burst, it would be toggled to semi. **Now at full-auto position, you can fire your AEG either in x-round burst or semi. x=1 locks to semi.**

PROCEDURE 2 – NEW COMMAND 6 : MULTIPLE BURST SETUP AND USAGE (Real Steel slowdown 3-round burst is: 1-1-1)

Congratulations! Your BW 3 has just transformed your AEG into the most amazing shooting machine. You can now fire not just 1 round of burst firing with one pull of the trigger but up to 3! The delay between burst round is settable in increment of **0.015 second**. Now, **it is cool to setup 1-1-1 shot with 0.03 sec pause to really hit your target crisp & emulate actual gun speed and save BBs.** Try 3-3-3 with 0.15 sec delay!

PROCEDURE 3 – NEW COMMAND 5: 100% BATTERY POWER REAL STEEL ROF REDUCTION SETUP AND USE (Fullauto firing only not Burst)

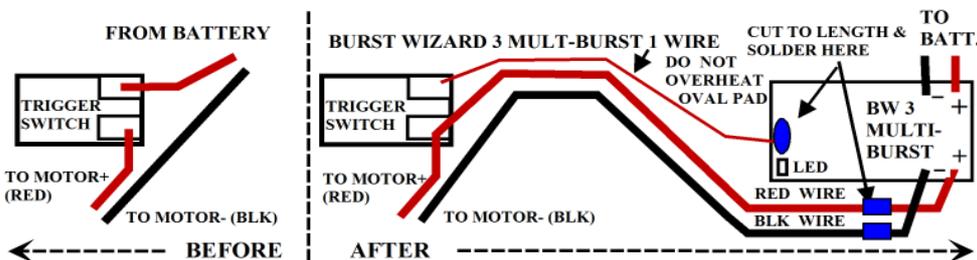
BW3 gives you the most realistic emulation of real steel fullauto ROF of 10 ~ 20. Just run CMD #5 to set pause time first (enter 1 to 15 for delay of 0.005 sec increment). BW3 fires at 100% battery power with quickest trigger response possible but pause between to reduce the overall ROF! Now firing like a real gun is easy! **BONUS: Reducing ROF makes gearbox last much longer! See QUICK START to setup perfect 1-Burst if needed.**

PROCEDURE 4 – SETUP FOR MILSIM PLAYER TO FIRE FULLAUTO ROF REDUCTION WITH MAGAZINE CAPACITY COUNT

(1)-CMD #2 set burst count =1. (2)-If you run your AEG with 11.1V LIPO, use CMD #4 to enable LIPO protection now. (3)-If needed CMD #7 to tune it fire exact 1 burst. (4)-CMD # 5, enter 5 for CYCLE-GEAR fullauto ROF reduction by 0.025 sec (you can enter 1 to 15). (5)-CMD # 9, if wanted, set magazine delay time and capacity count. (6)-CMD #9, if input is 16, then delay = forever. **Plug-n-play only**, you need to implement a switch wired to the **Oval Pad** to reset the count and allow your gun to fire again (One side of the switch to OVAL PAD, the other to battery+). (7)- **If wanted, CMD # 2 & 6 to set burst to: 1-1-1 for real steel ROF reduction 3-rnd burst!** (8) Fullauto only, set CMD #2 & #3 to 0, #5 to set ROF.

INSTRUCTION TO HARDWIRE YOUR BW3 INTO YOUR AEG (You NEED GOOD soldering skill and low temperature soldering iron !!)

Ultimately, many of you want to hardwire BW3 to 100 % protect the trigger switch & with quicker response! It is pretty simple to wire-in the BW3 with minimum modification to your trigger switch: Just de-solder the wire from the top side of the trigger switch to be soldered & shorted to the lower side of the switch to establish permanent connection from the BW3 MOSFET to the motor as shown in the following diagram. Then route the supplied ONE ONLY extra wire and solder it to unoccupied top side of the switch and **CAREFULLY** onto the **BW 3 Oval Pad (USE GOOD SOLDER IRON! DON'T OVER HEAT PAD PLEASE)** Cut out connector, solder & shrink wrapped the AEG side BW3 cable to your AEG. Finally, connect battery to your BW3 exactly like in the Plug-And-Play mode. **If your gearbox version doesn't have the + wire from battery power as shown, you have to route one to trigger switch by tapping off from the battery + wire.** Now, expect increase ROF with natural Active Braking, quick trigger switch response & 100 % trigger switch protection features!



YOU CAN REMOVE & PUT BW3 AT THE SAME FUSE BOX LOCATION IF SPACE IS TIGHT FUSE-LESS OPERATION WORKS EVEN IN PLUG-N-PLAY MODE!!

IMPORTANT: For BW3 to know that it is in hardwired mode, it must have the AEG side cable connected to it first before battery is plugged into it. Otherwise, your BW3 may not fire or fire at fullauto without stopping!

TRICK1: After 3-quick-blink at the end of a command & before dim light is on in 4 sec, you can pull trigger again to do another command.

TRICK2: BB counting can also be used to give you warning before magazine is empty! Just set the count to 10 ~ 20 BB less than actual.

For a 350 hicap MAG, CMD #9 set delay=1 sec, count=330. When gun beeps 4 times after firing, you know it's time to swap magazine.

TRICK3: If your AEG has a MOSFET, For BW 3 to work in plug-and-play, make sure Gate-Source Resistor< 1K ohm, Drain-Source R> 10K ohm

TRICK4: For some AEG with lighter spring, if it keeps firing after a burst round repeatedly, run CMD# 4 to fix the problem: Instead of 0, 1, 2 for NO PROTECT, LIPO & LiFe PROTECT input, input 4, 5, 6 respectively to do the same thing plus correcting the issue. (e.g. 4 instead of 0)

ATTENTION: WHEN BW3 CUTS OFF POWER TO YOUR AEG, ALWAYS FIX THE ISSUE FIRST BEFORE USING IT AGAIN!

BW 3 proprietary ADAPTIVE RESETTABLE FUSE reliably protects any motor from over current situations including gearbox lockup by cutting off power to the motor and turn LED brightly on. It also cuts power if battery is weak and can't spin the motor. Correct issues immediately!