

BURST WIZARD™ KING KONG (BWKK) QUICK (PAGE 1)

START

MODE OF OPERATION	HOW TO SET UP YOUR BWKK	RESULT
3-ROUND BURST & 0.6 SECOND RESUME FULL-AUTO	No setup is required. Preset by the factory. Just connect your BWKK in-line between the battery and your AEG. Wait 5 seconds for the dim light to turn on.	Enjoy your new AEG gun with 3-round burst. Hold on to the trigger switch for 0.6 second to resume FULL-AUTO firing when needed.
DISABLE RESUME FULL-AUTO	Immediately after battery is plugged into your BWKK: 1) PULL & HOLD the trigger for 2 seconds to see your BWKK blink and hear the motor beep 2 TIMES . 2) Release the trigger right away 3) Wait 5 seconds for the dim light to turn on	BWKK fires burst rounds only. Adjust burst count by using COMMAND # 2 - SET BURST COUNT below. NOTE: When FULL-AUTO is disabled, you can also use PROCEDURE 1 on page 2 to change the burst count while you are in the middle of playing your game.
ENABLE RESUME FULL-AUTO	Same as above, except BWKK blinks and beeps 1 TIME (In other word, each time you pull & hold the trigger at power up, you are toggling the full-auto on/off option)	BWKK fires burst rounds and resumes to FULL-AUTO firing if the trigger is held. Adjust resume to FULL-AUTO delay by using COMMAND # 3 - SET FULL-AUTO DELAY below.
ENABLE ROF MODE FIRING	Immediately after battery is plugged into your BWKK: 1) PULL & HOLD the trigger until you see and hear BWKK blink & beep 3 TIMES . (Note: it takes 3 seconds to see it) 2) Release the trigger right away 3) Wait 5 seconds. No dim light is turned on in ROF mode	BWKK fires at FULL-AUTO mode only with no burst control. Adjust ROF speed from 100% down to 40% by using COMMAND # 5 - SET ROF % below. NOTE: To resume firing in the burst mode again, just follow the above in ENABLE RESUME FULL-AUTO .

BURST WIZARD™ KING KONG (BWKK) COMMANDS

Below are 7 additional Commands for customizing your BWKK. **To activate each command, PULL & RELEASE the trigger switch the number of times corresponding to the command # itself within 5 seconds after the battery is plugged into your BWKK**

(ALWAYS REMOVE THE MAGAZINE FROM YOU AEG WHEN SETTING UP YOUR BWKK)

Trick: To do more than 1 command, after you see the BWKK blink 3 QUICK times and before the dim light is on, start a new command

COMMAND #	COMMAND SET UP PROCEDURE (DO NOT UNPLUG BATTERY TO BWKK DURING SETUP)
2 - SET BURST COUNT	1) BWKK blinks 2 times (NOTE: Only unplug battery at the end of each command. This one is after step 4) 2) Pull & release the trigger the # of times that you want your NEW burst count to be (1 to 9) 3) BWKK blinks for the # of times per your input 4) BWKK blinks 3 QUICK times to tell you that it is the end of the command 5) Wait 5 seconds for the light to stay on at dim mode before firing your new burst round
3 - SET FULL-AUTO DELAY	1) BWKK blinks 3 times 2) Pull & release the trigger the # of times of 0.2 second you want to add onto the FULL-AUTO delay 3) BWKK blinks for the # of times per your input 4) BWKK blinks 3 QUICK times to tell you that it is the end of the command 5) Wait 5 seconds for the light to stay on at dim mode before firing with your new delay (Note: for 0.2 second delay, pull & release 1 time. For 1 second delay, pull & release 5 times (5 x 0.2 second = 1 second). TRICK FOR ADVANCED PLAYERS: pull nothing at 2) above for a REAL FAST 0.1 second delay!)
4 - SET LIPO BATTERY	1) BWKK blinks 4 times 2) Pull & release the trigger 1 time to allow LIPO protection status change (No pulls or pulling 2 times means no change to the value stored. BWKK blinks 2 times and go to step 6) 3) BWKK blinks 1 time 4) Pull & release the trigger 1 time to enable LIPO protection or 2 times to disable protection 5) BWKK blinks 1 or 2 times depends on your input at 4) 6) BWKK blinks 3 QUICK times to tell you that it is the end of the command 7) Wait 5 seconds for the light to stay on at dim mode before firing again. See page 2 for BWKK's low volt responses.

5 - SET ROF %	<ol style="list-style-type: none"> 1) BWKK blinks 5 times (Note: the BWKK light will not turn on at all during ROF mode operation) 2) Pull & release the trigger 1 time to allow ROF % change (No pulls or pulling 2 times means no change to the values stored. BWKK blinks 2 times and go to step 9) 3) BWKK blinks 1 time to accept the change then follows by 4 times to request the input of the 10th digit # 4) Pull & release the trigger the 10th digit # of your new % (e.g. pull & release the trigger 9 times means 90%) 5) BWKK blinks the # of times per your input so that you know what you've just entered 6) BWKK blinks 3 times to ask for the unit digit of your new % 7) Pull & release the trigger the unit digit # of your new % (e.g. pull & release the trigger 5 times means 5%) 8) BWKK blinks the # of times per your input 9) BWKK blinks 3 QUICK times to tell you that it is the end of the command (Enter 99 equals to 100% ROF) 10) Wait 5 seconds before firing your new ROF % (The above example is for setting 95% ROF firing)
6 - SET TAP BURST	<ol style="list-style-type: none"> 1) BWKK blinks 6 times 2) Pull & release the trigger 1 time to allow TAP burst mode firing (Hardwired mode only) (No pulls or pulling 2 times means no change to the value stored. BWKK blinks 2 times and go to step 6) 3) BWKK blinks 1 time 4) Pull & release the trigger 1 time to enable TAP burst or 2 times to disable it 5) BWKK blinks 1 or 2 times depends on your input at 4) 6) BWKK blinks 3 QUICK times to tell you that it is the end of the command 7) Wait 5 seconds for the light to stay on at dim mode before firing with your new option
7 - SET SENSITIVITY & SPRING ADVANCE	<p>Note: For very fast ROF guns or AEG guns running with 11.1V LIPO battery where the burst count # may not be exactly as what you have set up for the BWKK. If BWKK fires 1 or less burst shot LESS THAN expected, select a number from 1 thru 9 to input to adjust the BWKK. We recommend starting with a number like 5 first.</p> <p>If BWKK fires 1 or more burst shot MORE THAN expected. Input a number from 11 thru 19 to adjust it. We recommend starting with a number like 14 first. (You have up to 9 seconds to pull the trigger to input your #)</p> <ol style="list-style-type: none"> 1) BWKK Blinks 7 times 2) Pull & release the trigger 1 time to enable sensitivity change option (No pulls or pulling 2 times means no change to the value stored. BWKK blinks 2 times and go to step 6) 3) BWKK blinks 1 time to tell you that you can enter your sensitivity value now 4) Pull & release the trigger the # of times for the sensitivity value that you want (NO PULL MEANS RESET TO 0) 5) BWKK blinks the # of times per your input 6) THEN, BWKK blinks 6 times to start the next subcommand sequence, which is for SPRING ADVANCE 7) Pull & release the trigger 1 time to enable spring change option (No pulls means no change. Blink twice, Go to 11) 8) BWKK blinks 1 time to tell you that you can enter your spring advance value now 9) Pull & release the trigger 1 time to enable SPRING ADVANCE or 2 times to disable (default from factory) 10) BWKK blinks 1 or 2 times depends on your input at 9) 11) BWKK blinks 3 QUICK times to tell you that it is the end of the command 12) Wait 5 seconds for the light to stay on at dim mode before firing with your new options (Note: SPRING ADVANCE is for some AEG guns that the spring is not fully relaxed after burst mode firing. Or it has trouble to consistently finish a burst count of 1 (SEMI-AUTO). Normally, you don't need to set this at all. But together with sensitivity option, you can tailor your BWKK to fire consistently on any guns)
10 - RESET SETTINGS	<ol style="list-style-type: none"> 1) BWKK Blinks 3 QUICK TIMES and then turn on the dim light (All settings are reset back to the factory values)

COMMAND # 8 - REPORTS ALL THE USER'S SETTING STORED IN THE BURST WIZARD™ KING KONG

# OF BLINKS	FOLLOWS BY LIGHT BLINKING PATTERNS: (IF FUNCTION IS ENABLED)	(IF FUNCTION DISABLED)
2 - BURST COUNT	BWKK blinks out the # of the burst count (1 ~ 9 times)	
3 - FULLAUTO DELAY	BWKK blinks 1 time follows by the # of blinks (0.2 second added) for the FULL-AUTO delay	BWKK blinks 2 times

4 - LIPO PROTECTION	BWKK blinks 1 time	BWKK blinks 2 times
5 - ROF %	BWKK blinks 1 time follows by the 10 th digit ROF % follows by the unit digit of ROF %	BWKK blinks 2 times
6 - TAP BURST	BWKK blinks 1 time (For hardwired mode only to allow a tap of the trigger to finish the whole burst firing round without needing to hold on to the trigger all through the burst cycle firing)	BWKK blinks 2 times
7 - SENSITIVITY	BWKK blinks 1 time follows by the # of the sensitivity value (value from 1 to 19)	BWKK blinks 2 times
8 - SPRING ADVANCE	BWKK blinks 1 time	BWKK blinks 2 times

LIPO LOW VOLTAGE WARNING & SHUT OFF BLINKING SEQUENCE FROM YOUR BURST WIZARD™ KING KONG

(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 OF DOUBLE BLINKING+ MOTOR BEEPING	LIPO LOW VOLTAGE WARNING AT(12.4V FOR 14.8V, 9.4V FOR 11.1V AND 6.8V FOR 7.4V BATT)
3 TIMES OF DOUBLE BLINKING +MOTOR BEEPING	LIPO LOW VOLTAGE GUN SHUT-OFF AT (12.2V, 9.2V & 6.6V for above batteries respectively)

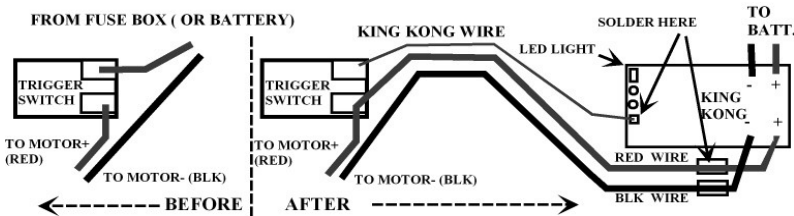
PROCEDURE 1 - HOW TO MODIFY BURST COUNTS WHILE YOU ARE IN THE MIDDLE OF PLAYING YOUR GAME

CONDITION: FULL-AUTO delay has been programmed to OFF (disabled) first (See DISABLE RESUME FULL-AUTO on page 1 for instruction)

Pull and hold on to the trigger switch after the last burst firing has completed. After 2 seconds, you will feel the motor beeping 2 times to warn you that you are about to change the burst count. If that is an unintended mistake, just release the trigger within 1 second and nothing will be changed. Otherwise, the motor will beep 2 more times. Now release the trigger. Within 5 seconds, pull and release the trigger the number of times between 1 to 9 counts that you want the new burst count to be and **hold on to the trigger on the last pull**. (E.g. for a 3-round burst, hold on to the trigger on the 3rd pull) The motor will beep 2 times to acknowledge that the new burst counts have successfully been entered. Now, release the trigger and fire your new burst counts until you want to change it again. If you want to simulate FULL-AUTO in this mode, pull & release the trigger 10 in above procedure, your Burst Wizard King Kong will then fire 25 rounds before it will stop. Of course, your gun will stop firing whenever you release the trigger switch.

HARDWIRE BWKK INSTRUCTION: Ultimately, some users prefer to use the King Kong in the trigger switch by-pass wire-in hardwired fashion. They will find that it is relatively simple to wire-in the Burst Wizard King Kong with minimum modification of your trigger switch: Just de-solder the wire from the top side of the trigger switch to be shorted to the lower side of the trigger switch to establish permanent connection from the Burst Wizard King Kong's MOSFET to the motor as shown in the following diagram. Then route in the supplied ONE ONLY extra wire from the outside to be soldered to the now unoccupied top side of the trigger switch on one end and onto the square pad at the front of the Burst Wizard King Kong on the other.

Connect the battery to the Burst Wizard King Kong exactly like it is in the Plug-And-Play mode and connect (or solder & shrink tubed) the other pair to the AEG side with modified trigger switch. Now, expect an increase in ROF with natural Active Braking and complete trigger switch protection features!



IMPORTANT: For your BWKK to know that it is operating in the hardwired mode, it must have the AEG side cable connected to it first before the battery can be plugged into it as shown in the figure. Otherwise, your BWKK may fire at full-auto without stopping!

WARNING: BWKK DOES NOT REPLACE YOUR AEG FUSE. FOR SAFETY, DON'T REMOVE IT!