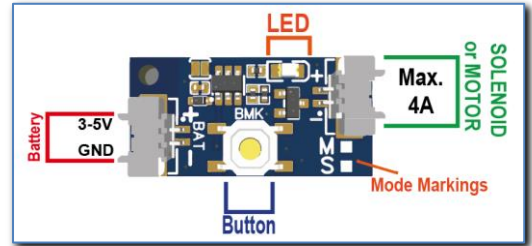


# BMK Pager/Solenoid Release Timer

Micro JST 1.25mm DT release system.  
 Complete DT release system for the free flight models. The system weight is only 4.0g including the battery.  
 The low current pager release needs only 200mA to release the force multiplier(mousetrap). Tested under 100-400g tension without any problems.  
 The battery 80-100mAh battery will be enough for at least 10 days (not hours). ~30 days when idle.  
 The timer is configurable between 10-2500 seconds.  
 You can keep the battery installed during the flight day or more.



\*This product is sharing the same PCB with our BMK Motor Timer but the firmware is different.

**Please note: The timer increment was 1 second for the original version until summer 2023. It has been updated to 10-second intervals later.**

## Features

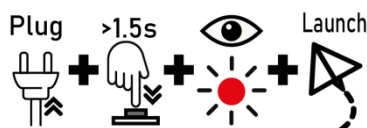
- **Maximum Timer Duration** : 2500 seconds (~41 minutes)
- **Timer Steps** : 10 second
- **Timer Tolerance** : +-1% typical
- **Timer Activation Method** : Hold the onboard button for at least 2 seconds, the timer will start when the button is released.
- **Timer Cancel Method** : Click the onboard button
- **Operation Voltage** : 3.0 - 5.0v (compatible with 1S LiPo battery)
- **Power Consumption** : 0.06mA @ idle / 0.6mA @ countdown / 1000mA @ burning(2 seconds).
- **Maximum Output Current** : 5A continuous
- **Low Battery Warning** : <3.7v (double flashes @ idle mode)
- **Dimensions** : 23mm x 11mm x 5mm
- **Weight** : 1.2g (The Original Blue Boards was 1.7g)

## How To Set the Timer?



1. Press and hold the button before plugging the battery.
2. Plug the battery when holding the button. (The LED will turn ON.)
3. Release the button and the (LED will turn OFF.)
4. Press and hold the button and count the LED blinks for the timer duration  
 \*Each Blink adds 10 second to the timer. For example, 3 flashes = 30 seconds. (Max. 2500 seconds)
5. Release the button when you reach the desired timer duration.(The LED will fast flash 3 times when saving the time)
6. The timer will return to normal running mode automatically. Now you can remove the battery or use your timer.

## Using Your Timer



1. Plug the battery
2. the LED will flash once every 2 seconds.  
 \*The double flash means the battery voltage is below 3.7v and you must recharge the battery.
3. Press and hold the button for at least 2 seconds to arm the timer before launch. (The LED will turn ON.)
4. Release the button when launching and the timer countdown will start. During the countdown, the LED will flash fast.
5. When the countdown is complete, the timer will turn on the pager motor (or solenoid) for 2 seconds.  
 \*Click the button to cancel if you have accidentally released the button or your model has landed before the countdown is complete.