**1. Connection**

Plug the signal wire of Multifunctional RC motion switch (MRMS) into a free channel on the receiver, which is opposing to some switch on transmitter.

Connect MRMS with the device that needs to be controlled. Please take care of the polarity of the wires, check the picture below, the red wire is positive and the black wire is negative. Connect the outside power with MRMS (Notes: please don’t connect the outside power or the will be controlled device before calibration, otherwise, fault trigger will be happened and leads to dangerous)

The power supply for MRMS is from receiver, the outside power is for the controlled device, the red light on MRMS will be on as soon as the outside power is connected with the controlled device.

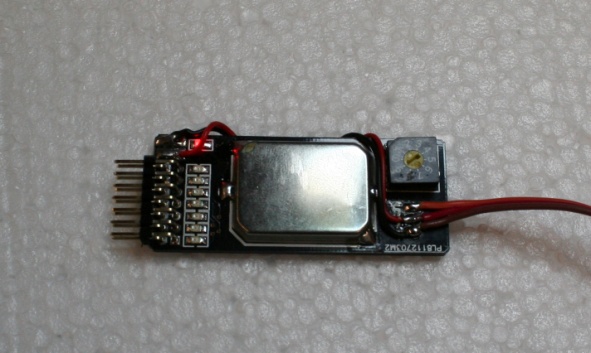
**2. Calibration**

Plug the signal wire on MRMS into the accordingly channel on the receiver, turn the disk switch for mode setting to 0 position. Turn on the transmitter and power the receiver, we can see all the LED lights on MRMS will flash, it indicates entering calibration. Constantly pull the switch **ON->OFF->ON** on the transmitter, all LED lights on MRMS will stop flashing(all off), it is the calibration process which tells MRMS to figure out the end point and start point of the switch on transmitter.  
Now you can choose the working mode. (See 3. )

Please note that if the disk switch on MRMS is pointed to 0 before power the receiver, MRMS will enter into calibration process as soon as the receiver is powered, the other numbers on the disk (1,2,3, 4, 5, 6, 7, 8, 9) is for normal working. One time of calibration is enough only lf you change your transmitter.

**3) Working mode selection**

After the calibration, turn the disk switch on MRMS to some number on the disk, all LED lights will flash two times, repeatedly displaying the working order of the 7 switches, MRMS won’t receive any signal from the transmitter or send out signal in the process.

Then it enters the state of ready for work. Green light is on indicates the switch is on accordingly, or it indicates off.

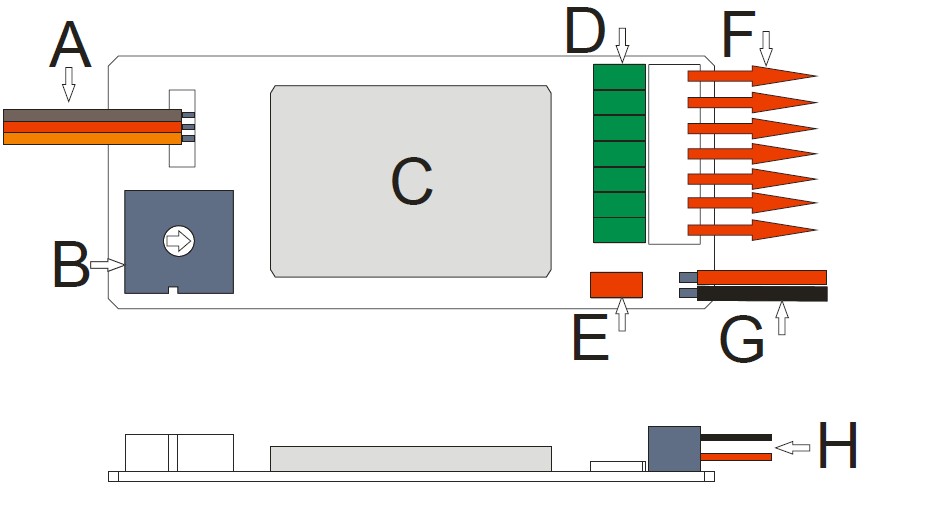
All channels off. All channels on.

**MODE 1, 2, 3, 4 are for model rocket launch**, 0.5 second for turn on and soon it turns off, it can protect MRMS not be burnt from the possible short cut, it can also protect the battery from over discharged.

**MODE 5, 6, 7, 8, 9 are for controlling LED lights** that need constant power supply. Every time one of the switch is triggered, the switch won’t be disconnected until the next trigger from transmitter. Green LED light is on indicates the switch is connected, or it is disconnected.

4. Trigger

Pull the **switch on the transmitter quickly from OFF to ON and ON to OFF**, it means a circulatory trigger, MRMS will be triggered according to the setting MODE, the responsible LED light will be on, circulatory trigger may happen under MODE 5, 6, 7, 8, 9. If the time of a circulatory trigger is longer than 0.5 second, the trigger is a failure one, and MRMS system will also take a one-time pull from OFF to ON or from ON to OFF as a failure trigger and ignores it.



A, Connect the channel of a receiver, normally it is channel 5.

B, Number disk switch is for setting working MODE, default is 0, you need to do a new calibration if it is 0.

C, The center driver part, includes micro processor and driver Module.

D, 7 green LED lights indicate the working state of each switch.

E, 1 red LED light indicates if it is connected with the outside power, red LED light is on means outside power is connected, otherwise it is disconnected.

F, Seven separate switchable power outputs which can connect 7 different devices.

G, Power supply from outside, it supplies power for 7 switches.

H, Polarities of each switch set, red is positive and black is negative, please be sure it is connected correctly especially when the controlled device is polarity regulated.

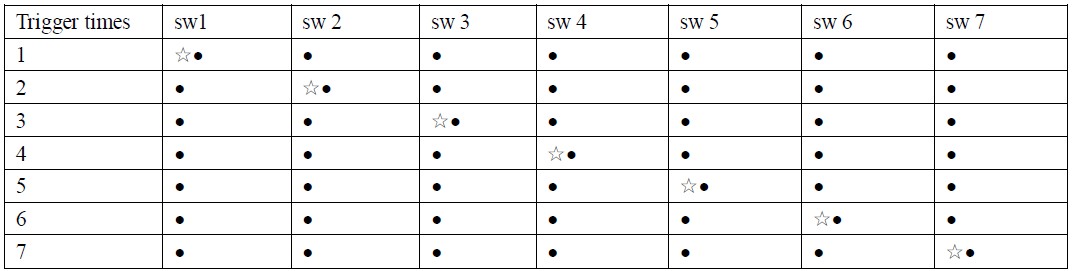
**MODE TABLES**

● The current switch is off

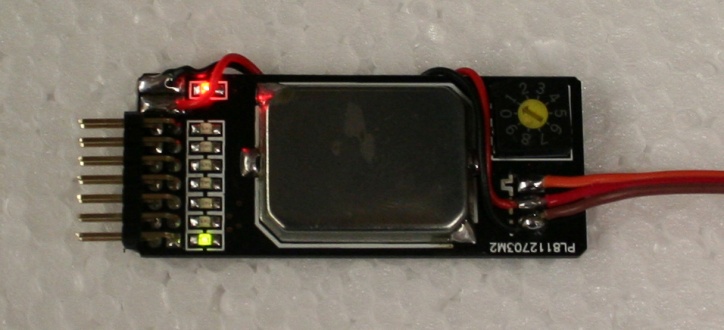
○ The current switch is on

☆●The current switch will keep on for 0.5 second and then it will be cut off.

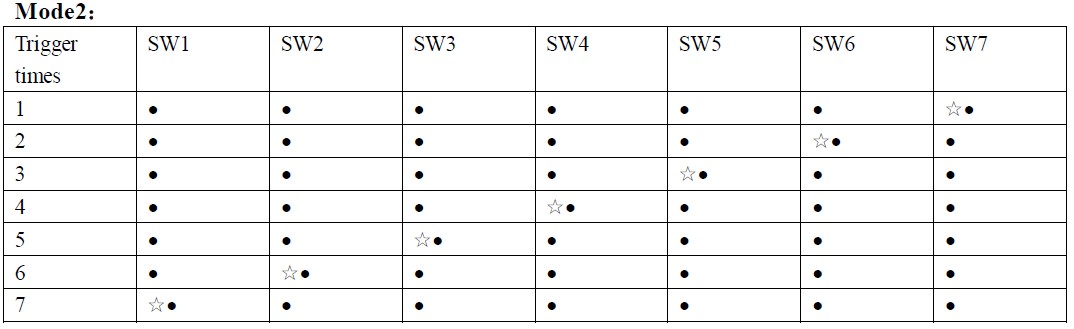
MODE1



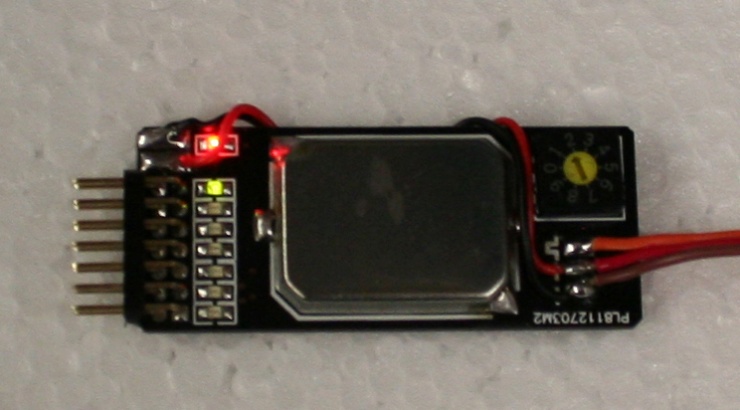
Mode 1 trigger time 1:

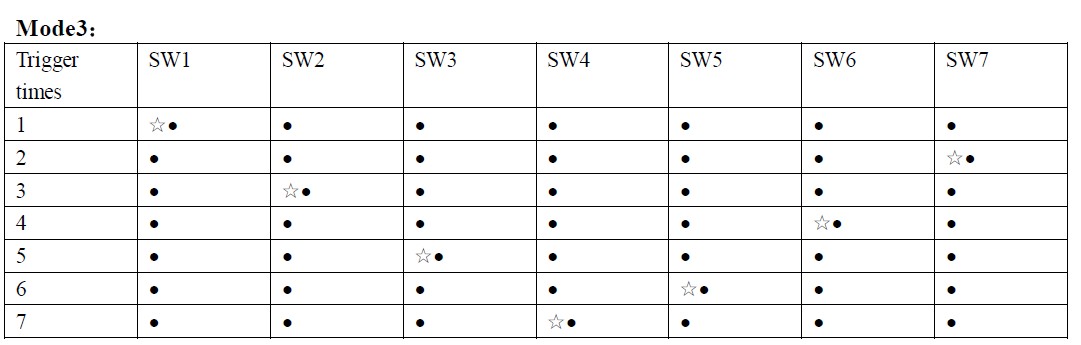


MODE2



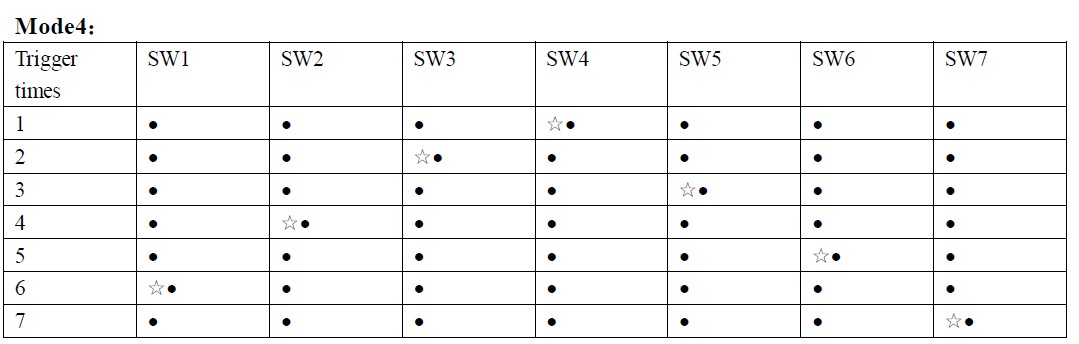
Mode 2 trigger time 1:





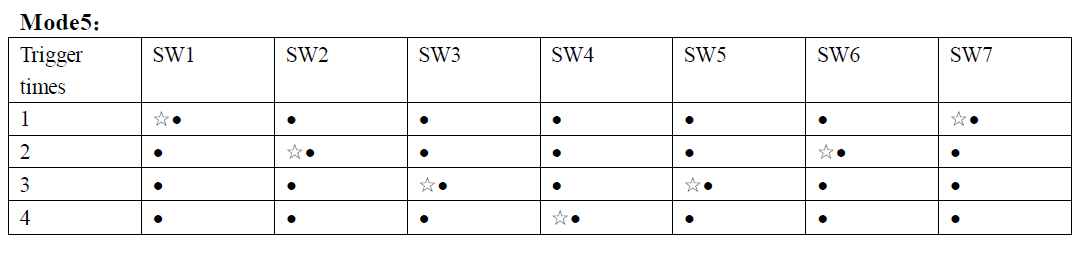
Mode 3 trigger time 1:





Mode 4 trigger time 1:





Mode 5 trigger time 1:



