Thank you for choosing skymaster Multi function lights controller, which combine afterbuner light/navigation light/gear light in one unit. With up to 75W output, it can connect 25pcs of LED lights (each with 3W ultra lightness). It not only adjust 5 light flashing modes, but also protect LED lamp from burning, by adjusting lightness according to color difference of lights. This product is also compatible with S-BUS system. Customers can freely set up signal channels. With simply one connection wire, all functions can be controlled. Controller is made of aluminum alloy. It is smaller, but stronger and durable. It is suitable for 99% of jets in the market. You will enjoy convenience after installing this controller.

Product specifications:

1. Input voltage: 2S/7.4V
2. Lighting mode: 5 flashing modes, lightness can be adjusted.

Quantity of output lights:
Left wing: 2 lighting sets (maximum 4pcs of lights with 3W each)
Right wing: 2 lighting sets (maximum 4pcs of lights with 3W each)
Vertical fin/belly: 2 lighting sets (maximum 3pcs of lights with 3W each)
Landing gear: 1 lighting set (maximum 3pcs of lights with 3W each)
Afterburner: 1 lighting set (Y wire is needed for 2 lighting rings)
3. Output adapter board: output for maximum 4 lighting sets, supplied with resistance lamp, simply plug in and work
4. Input channel signal control:
   PWM input: landing gear switch channel / lighting switch channel / S-BUSX1
5. Measurement: 60 * 35 * 10mm

Warning:
1. Before using this controller, please make sure to read the manual. The device will be damaged when any socket is plugged in by error or polar short-circuit.
2. Before setting up the function, please prepare the transmitter or servo adjust equipment. Most of the incoming setting is completed by the transmitter or servo adjust equipment.
3. The quality of LED lamps are different. Some are good, some are bad. Please choose reputable products or use those supplied by our company.
4. In the process of lightness adjustment, all channels' lights are working all the time, so you can watch and compare the sameness of lightness. The other advantage is the LED lamps' life will be...
extended by adjustment of proper lightness, instead of damage caused by high power for long
time.
5. During adjustment of lightness, when lightness is not getting better even after further
adjustment, plss stop increasing lightness. It means this is maximum lightness. When you
continue to adjust it, only more hotness is caused, and it doesn't help energy conservation;

Setting procedures:
1. 1~7 channel lightness and flashing mode:

Pls connect transmitter or servo adjust equipment to afterburner light channel of controller. Then
keep pressing button by 2 seconds. Lightness setting mode is entered. You will see digital
display (see right side picture 1). Now enter first channel setting model, press button and enter
lightness adjustment (see right side picture 2), adjust lightness by transmitter or servo adjust
equipment. After lightness adjustment is finished, press button again and enter flashing mode
adjustment (see right side picture 3), then select mode (mode 1 to mode 6 as cycle), plss see following
picture showing flashing mode description. After confirm selected mode, keep pressing button for 2
seconds and enter the second channel setting. All lighting channels setting is same like above
procedure.

Flashing mode definition showing: see following photo, 1~6 from left to right side.

2. Landing gear channel reverse setting

Pls keep pressing controller by 8 times, you will see digital display (see right side photo 1), enter
landing gear signal reverse setting model. Press button again and enter mode setting.
landing gear signal is normal mode (see right side photo 2). landing gear signal is reverse
mode (see right side photo 3). The next photos are photo 1, 2, 3. (from left side to right side)

3. Navigation lights mode setting

Pls keep pressing button by 9 times. Then you will see digital display (see phto 1). Enter navigation
light mode setting. Press button again and enter setting mode. Photo 2 is showing auto control
mode. Photo 3 is transmitter switch control model. The next photos are photo 1, 2, 3. (from left side
to right side)

4. S-BUS channel setting

Pls keep holding controller by 10 times, you will see digital display (see right side photo 1). Enter
S-BUS channel setting. C is for navigation light. D is for landing gear light. E is for afterburner
light. Press once again and enter channel position setting. Right photo 2 is S-BUS channel
1. Similarly like above procedure, total 18 channels are set up (see below photo for the detailed
channel setting number). Complete rest setup like above procedure.
Below photo is channel position 1~9 (from left to right side)
Below photo is channel position 10~18 (from left to right side)

After you finish all setting procedures as above, you can enjoy this controller!
NOTE: on the output channel, yellow and red are parallel connection
WARNING:

For proper controller operation, please make sure to follow the connection in following photos:
Low voltage (output voltage: 3.0 volts).

This device must be connected between controller and lamp. Otherwise, lamp get burnt up. It also work as expanding channel, i.e. it can be connected with 4 lamps.