

Landing gear cabin sequencer user manual

Landing gear cabin sequencer Function

Input-----Input voltage :3.7-4.5 V, Input channel connected with the landing gear channel in receiver, the receiver provide the power, input channel receive the receiver's signal to control.

Output----Output have six channels to output the signal, and show 4 kinds of functions.

Retract landing gear channel

the retract landing gear in airplane, connect with this channel, to control landing gear's open and close.

LED light controller channel

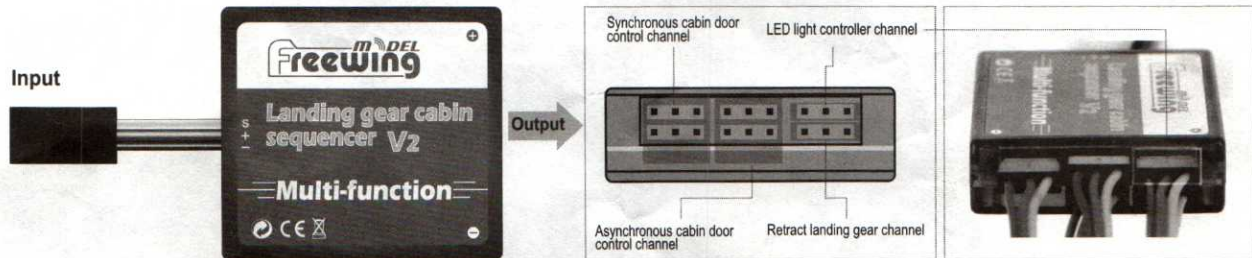
If you also use Freewing's LED light controller, connect this channel with the "Input B" of LED light controller. It provide power to the LED light controller and control the automatic switch on/off of take-off light in landing gear.

Asynchronous cabin door control channel

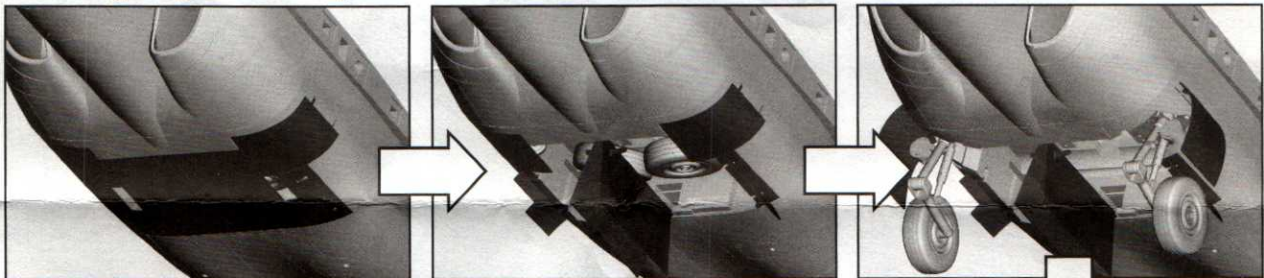
If the landing gear cabin door need to close automatically when landing gear open, connect this channel with the servo which control cabin door. (The most channel this function can provide is two channel to input.)

Synchronous cabin door control channel

If the landing gear cabin door and landing gear open and close at the same time, connect this channel with the servo which control cabin door. (The most channel this function can provide is two channel to input.)



Working diagram of Asynchronous cabin door control channel

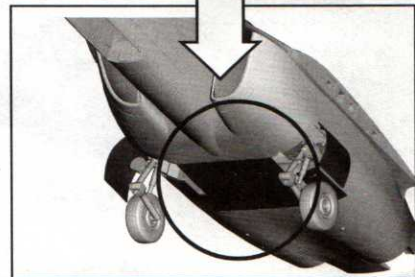


From the working diagram, we can see:

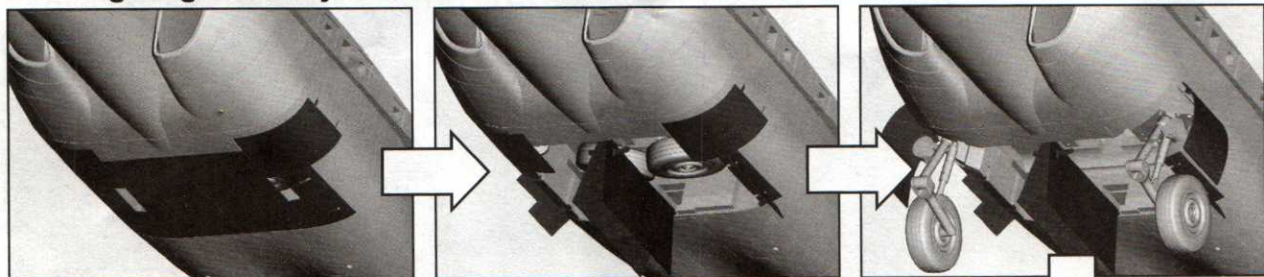
Principle of work of Asynchronous cabin door control channel

When we send signals that open landing gear, rear landing gear cabin door will open firstly, then landing gear open from cabin, at last, the middle cabin door will close slowly.

From the working diagram, middle cabin door servo connect the "Asynchronous cabin door control channel". At the same time, when we need to close the landing gear, the middle cabin door will open firstly, then close the landing gear, at last, all the cabin door will close.



Working diagram of Synchronous cabin door control channel



From the working diagram, we can see:

Principle of work of Synchronous cabin door control channel

When we send signals that open landing gear, rear landing gear cabin door will open firstly, then landing gear open from cabin, at last, the middle cabin door will close slowly, but the two side cabin door don't close, together with landing gear, it will keep the open condition.

From the working diagram, two side cabin door servo connect the "Synchronous cabin door control channel". Under the control of this channel, the two side cabin door will open/close together with landing gear.

