

## **DESCRIPTION OF OPERATION**

### **Power support:**

The transmitter is fed by 8x1.5AA Battery, and the receiver use 400mAh/3.7V Lithium polymer battery.

### **Antenna:**

The transmitter and receiver utilize different antenna, dipole antenna for transmitter and wire line antenna for receiver.

The coding signal that CPU output the pulse arrive this flaps to proceed to mix with, frequency this flap, for 14.574 MHz, pass by for 5 times frequency conversion is for the frequency for needing of 72.870 MHz carrying of wave Signal. carry a signal through the high frequency power the tube proceeds to enlarge, and what L.C constitute choose the frequency network to select to validly carry a signal, output from the antenna.

RF(around 72MHz) signal will be received by the receiver of helicopter. And then those signal will be demodulated and transferred into digital signal which will be decoded by the above mentioned IC . In result, it can control the driver machine connected. Thus ascending, descending, turn right, turn left, rotate etc, all kinds action can be done.

### **Ground:**

There is no external ground connection. The ground is only that of the printed circuit board.