

## Operation Description:

This device is the controller of the 2.4GHz remote control helicopter. The controller is operating from 2417MHz - 2458MHz and powered by DC 9V (six AA batteries). When the Controller is switch on, the remote controller will transmit a RF signal on the channel which is pre-selected during factory aligned with the receiver within 2417 – 2548MHz to control the helicopter. When the receiver is receiving the RF signal under the aligned channel, the receiver will control the four blades to move the helicopter

The pre-selected channels of the device are 2417MHz, 2421MHz, 2425MHz, 2429MHz, 2432MHz, 2437MHz, 2441MHz, 2445MHz, 2449MHz, 2453MHz, 2458MHz.

The device has two control levers to control moving forward backward and turn around respectively. The control signals from the two levers are encoded by IC, N79E815A20 and send the code to the 2.4 GHz RF modules LOG2425.

About RF module LOG2425, The main IC chip IC1 BK2423 cooperated with 16MHz oscillator, which will transmit RF channels within the frequency range from 2417MHz~2458MHz with GFSK modulation, and pass through RF filter (C10, L3 & C19) to amplifier, IC2, RFX2402C to amplifier the signal to TX antenna.